Legrand offers a specific system solution for each requirement.

Designed to guarantee the best welcoming and supervision services, without overlooking the environmental aspects and the energy efficiency of all the areas of the establishment.

GUEST ROOM MANAGEMENT SYSTEM brings together two aspects: the supervision managed by Hotel personnel and the customer’s user experience.

Two separate worlds, that are however in constant communication.
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FROM ACCESS CONTROL TO HOME AUTOMATION, LEGRAND OFFERS ALL THE TECHNOLOGICAL SOLUTIONS FOR THE HOTEL SECTOR

01 INSIDE THE ROOM

- Access control
- Temperature management (heating and cooling)
- Lighting control
- Automation management
- Structured cabling devices
- Traditional devices (energy sockets, etc...)
- Management and reading of room electricity consumptions (EMS)
02 IN THE COMMON AREAS FOR CUSTOMERS

- Temperature management (heating and cooling)
- Access control
- Lighting control
- Automation management
- Sound system
- Data network management
- Traditional devices (energy sockets, etc...)

03 AT THE RECEPTION

THE SOFTWARE PROVIDES:
- Supervision and management of functions installed in the hotel
- Control and management of the functions inside the rooms and the common areas
- Management of the room status (free, occupied, customer present, etc.)
- Access control management: programming of key cards and saving of accesses
- Management of bookings using specific software (PMS)

04 IN THE REST OF THE BUILDING

- Energy transformation
- Energy distribution
- Service continuity (UPS)
- Energy management (measurement)
- VDI (video data) infrastructure
- Temperature management (heating and cooling)
- Access control
- Lighting control
- Automation management
- Green-Up columns for the charging of electric cars
Guest Room Management System is a solution for the management and supervision of hotel and welcoming establishments. Designed to guarantee the best welcoming and control service without overlooking the environmental aspect, Guest Room Management System brings together two aspects: the supervision, managed by Hotel personnel, and the management of the room by the Customer.

Two separate worlds, that are however in constant communication.

**IMMEDIATE COMFORT**

Thanks to the new devices:
- bedhead control
- scenario control,
installed at the side of the bed, with one single touch it is possible to create the desired atmosphere, adjusting the light, the temperature, and the shutters.

OUTSIDE THE DOOR INDICATOR
+ KEY CARD READER
DND (do not disturb)
MUR (make up the room)
COMFORT
MANAGEMENT OF USERS
Guest Room Management System enables the customer to be perfectly in tune with the room, thanks to a range of devices used to create the desired atmosphere as far as lights, music, and temperature are concerned.

RESPECT OF THE ENVIRONMENT
ENERGY MANAGEMENT
Guest Room Management System gives the hotel establishment the possibility of reducing energy consumptions thanks to the possibility of disabling the devices inside the room when the customer is absent.

SAFETY
Thanks to the RFDI technological devices, maximum safety in the control of accesses to rooms and other zones.

ENTERTAINMENT
A range of products dedicated to Audio/Video connections, to the recharge of technological devices (Smartphone, Tablet, etc.), and to the transmission of Wi-Fi data, enables to provide the desired level of entertainment and enjoyment.

SAFETY AT THE TOP
Protected shaver socket, step marker lamps for the night, and bathroom pull cords. Guarantee of maximum safety at any time during the stay.
The management of the rooms and the common areas

THE SUPERVISION

The Guest Room Management System offer gives the possibility of supervising and controlling in real time the status of the rooms, and interact with them.

Using the supervision software installed in the PC of the reception, it is possible to interact with the following room parameters:

- Presence of guests
- Temperature display and modification of the adjustment values
- Display, for each room, who is inside the room (customer or staff)
- Programmed scenario activation
- Alarm notifications and management of the contacts (window, door, ...)

The software gives the possibility of managing and programming the key cards with RFID (Mifare) technology to access the rooms and common areas.
NEW PREMIUM OFFER

TOUCH INTERFACES

The offer of products for the design and realisation of hotel systems is expanded by a new range of touch technology customer interfaces, which allow guests to optimise and improve the way they manage the room.

- NEW more intuitive functions
- MAXIMUM appearance and icon customisation
- AVAILABLE TO ORDER directly from the catalogue in the two colours “black and white”; “magnesium and tech” grey versions only available to order using the customisation software.
- CAN BE CONFIGURED just like the other SCS-BUS products using the MyHOTEL_Suite software

OUTSIDE THE DOOR MANAGEMENT

OUTSIDE THE DOOR INDICATOR with MUR and DND notification, bell pushbutton.

OUTSIDE THE DOOR INDICATOR + KEY CARD READER with MUR and DND notification, bell pushbutton and RFID key card reader.
**ROOM MANAGEMENT - KEY CARD SWITCH**

- **KEY CARD SWITCH + READER - BASIC VERSION**
in RSD technology with DND and MUR controls + scenario management.

- **KEY CARD SWITCH + READER - ADVANCED VERSION (*)**
  with RFID technology with DND and MUR controls, plus customisable scenario management based on the type of key card connected (staff or customer).

**ROOM MANAGEMENT - CLIMATE AND SCENARIO CONTROL**

- **DIGITAL TEMPERATURE PROBE WITH TOUCH TECHNOLOGY DISPLAY**

- **DIGITAL TEMPERATURE PROBE WITH DISPLAY + 6 TOUCH CONTROLS**

**ROOM MANAGEMENT – SCENARIO CONTROL**

- **2-SCENARIO TOUCH CONTROL + DND AND MUR TOUCH CONTROLS**
  Example of controls:
  - Wake up
  - Sleep
  - MUR (make up the room)
  - DND (do not disturb)

- **6-SCENARIO TOUCH CONTROL**
  Example of controls:
  - TV
  - General OFF
  - Wake up
  - Sleep
  - Curtain opening
  - Curtain closure

(*) **NOTE:** for availability please contact the sales force.
The main system components

THE SOLUTION FOR THE WHOLE HOTEL

IN THE CORRIDOR - OUTSIDE THE DOOR

OUTSIDE THE DOOR INDICATOR with MUR and DND notification and traditional bell pushbutton.
(LIVINGLIGHT AIR)

OUTSIDE THE DOOR INDICATOR and RFID reader, with MUR and DND notification and traditional bell pushbutton.
(LIVINGLIGHT AIR)

OUTSIDE THE DOOR TOUCH INDICATOR with MUR and DND notification and Touch bell pushbutton.

OUTSIDE THE DOOR TOUCH INDICATOR and RFID key card reader, with MUR and DND notification and touch bell pushbutton.

KEY CARD RFID (Mifare classic ISO14443 type A) technology, credit card format, to access the rooms or common areas.
KEY CARD SWITCH WITH KEY CARD READER
in basic or advanced version with RFID technology with DND and MUR controls. The advanced version allows the management of customisable scenarios based on the type of key card connected (staff or customer).

KEY CARD SWITCH
with possibility of RFID technology recognition, for the activation of the functions inside the room. (LIVINGLIGHT AIR)

DND AND MUR CONTROL
DND (do not disturb) MUR (make up the room). (LIVINGLIGHT AIR)

INSIDE THE ROOM

DIGITAL TEMPERATURE PROBE WITH DISPLAY + 6 TOUCH CONTROLS
with preset scenario icon

DIGITAL THERMOSTAT
to set and adjust the temperature simply and intuitively inside the room. (LIVINGLIGHT AIR)

6-SCENARIO CONTROL
IN TOUCH TECHNOLOGY

8 KEY CONTROL
to recall the scenarios (lighting, automation, climate, ...) inside the room. (LIVINGLIGHT AIR)
IP SCENARIO MODULE manages and saves the scenarios (max. 50) of the room or common zone, and acts as interface with the rest of the system and the functions of the Hotel. It connects to the rest of the hotel using the Ethernet network (RJ45).

Some MODULAR DEVICES for function management inside the rooms.
AT THE RECEPTION

SUPERVISION SOFTWARE
Using one or more PC, it is possible to control the status of the rooms with the corresponding notifications, and manage the available functions. The software also perform functions connected with the programming of the key cards.

2 types of license available:
- Management of up to 20 rooms or common areas
- Management of over 20 rooms or common areas

The key cards must have the following features:
- RFID Mifare classic ISO14443 type A

KEY CARD PROGRAMMER
to connect to the reception PC through USB connection.

IN THE MAIN TECHNICAL ROOM

IP SERVER
to be used in systems with over 100 rooms or common zones [over 100 MH201 installed].
For projects requiring something different, using the customisation tool it is possible to order a wide range of optional special customisations from BTicino. The tool is a web-app that after a guided procedure will generate a pdf "bill of materials" to be sent to the sales representative or the distributor to order the products.

The catalogue offers a complete range of touch interfaces with icons and functions already set, in two different colours: BLACK AND WHITE.

What can we do with the customisation tool?

1. Select the product to customise.
2. Select the cover plate colour (black) and the colour of the cover plate edge (grey).

Follow the link to find out more:
www.uxfort upscalehotel.legrand.com
3. SELECT THE DESIRED ICONS IN REPLACEMENT OF THE EXISTING ONES (DRAG&DROP).

4. POSSIBILITY OF ATTACHING THE HOTEL LOGO (.SVG OR .PNG FILE FORMAT)

5. SELECT THE TYPE OF INSTALLATION (WALL MOUNTED IN 503E BOX OR FLUSH MOUNTED)

6. VALIDATE THE CONFIGURATION
CUSTOMIZATION OF THE PREMIUM OFFER

7 ➤ ENTER THE QUANTITIES OF PRODUCTS TO ORDER

8 ➤ ADD ANY NOTES OR INDICATIONS FOR BTICINO

9 ➤ ADD OTHER PRODUCTS OR ISSUE THE ORDER FOR BTICINO

10 ➤ FILL THE FORM WITH THE FOLLOWING DETAILS:
- Customer
- BTicino commercial references (FTC)
- Distributor

11 ➤ SEND THE INFORMATION TO BTICINO: generate the pdf file, forward to BTicino your requirements and you will receive an offer.

KEY CARDS CUSTOMIZATION

It is also possible to ask to BTicino for customised key cards.

Key card customisation is not possible using the tool, but must be requested through our sales representative.
To further improve the aesthetic value of the offer, it is possible to customise both the cover plates and the key cards with the logo of the Hotel.

The **GLASS CONTROLS** can be customised with symbols by means of silk screen printing.

Key card switch available in three colours: white, tech and anthracite. The tech version is used together with the **Axolute** elliptical cover plate.

**WHITE KEY CARD SWITCH WITH LIVINGLIGHT AIR COVER PLATE.**

**ANTHRACITE 8-KEY CONTROL USED WITH THE AXOLUTE COVER PLATE.**

These customisations must be requested to Legrand/Bticino through a technical/commercial representative.
BTicino has developed and makes available the new **DRIVER MANAGER** integration platform, based on the F459 device and on various drivers. It can manage systems or products of other brands.

The SCS-BUS solution can be integrated with systems and products of other brands.

It is now possible, by means of the SCS-BUS devices to control, for example, the VRV, VRF and air conditioning systems of the main producers on the market. The **DRIVER MANAGER** device can interface the SCS-BUS system with the systems of other brands by means of specific drivers tested in collaboration with the various companies.
For more information please contact the branch.

**OTHER BRAND SOLUTIONS**

- TEMPERATURE CONTROL
- AUTOMATION
- OTHER

**EXAMPLES OF INTEGRATIONS WITH TEMPERATURE CONTROL:**

- Management of the Fan-coil fan speed with inverter motor
- Integration of the Hitachi temperature control on Modbus
- Integration of the Mitsubishi Electric VRF temperature control
- Management of Olimpia Splendid internal units on Modbus protocol
- Integration of the Daikin temperature control on Modbus
- Management of VRV/VRF internal units using the CoolMasterNet universal Gateway
- Management of Daikin VRV internal units on Modbus protocol
- Management of Toshiba VRF internal units on Modbus protocol
- Management of LG VRF internal units on Modbus protocol
- Management of Mitsubishi Electric internal units on Modbus protocol
- Fujitsu General on Modbus protocol
- Management of floor pump activation
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GENERAL RULES FOR INSTALLATION

PERFORMANCE AND CONFIGURATION

THE HOTEL SUPERVISION SYSTEM MUST BE INSTALLED IN A DEDICATED LAN NETWORK OR IN A DEDICATED VLAN

SYSTEM PERFORMANCE:
- Number of zones (rooms and common areas) which can be made = 500 MAX.
- Number of supervision PC which can be installed = 10 MAX
- Install only one MH201 per zone (room or common area).
- Install only one F458 IP server on the same network in the case of systems with more than 100 zones
- Install up to 9 thermostats, 8 outside-door readers and one key card switch per room or common area
- Max 9 customised services (fridge, strongbox, smoke)
- All the new Touch interfaces (PREMIUM offer).
DEVICES:

- IP Server F458
- MH201 IP scenario module
- all the new Touch interfaces of the PREMIUM offer.

They must be configured using the MyHOTEL_Suite software, which can be downloaded free of charge from the website: www.homesystems-legrandgroup.com

While all the other devices in SCS-BUS technology can be configured in both modes:

1) PHYSICAL CONFIGURATION
2) SOFTWARE CONFIGURATION

1. PHYSICAL CONFIGURATION

This is completed using the green and blue configurators, which must be connected to the appropriate housings found on the devices.

2. SOFTWARE CONFIGURATION

This is performed using a PC with the appropriate MyHOTEL_Suite application installed. This solution has the advantage of offering many more options when compared with the physical configuration.

All the new advanced interfaces must be configured only using the software.

The software can be downloaded free of charge from the website:

www.homesystems-legrandgroup.com

Download the software free of charge (QR code)
“HOTELSUPERVISION”
SUPERVISION SOFTWARE

The HotelSupervision software has been purposely designed for the management and supervision of the hotels. All the management operations can be performed from reception, from where it is possible to have a complete view of what happens in the individual rooms and the common areas.

COMPATIBILITY WITH OPERATING SYSTEMS

In order to check the compatibility of the “Hotel Supervision” software with the operating systems visit the dedicated site at the following link.

www.homesystems-legrandgroup.com/BtHomeSystems/productDetail.action?productid=003

Download the desired version of the HotelSupervision software (QR code)
MAIN FUNCTIONS:

- Display the presence in the room, distinguishing between guests and staff.
- Temperature management with direct control of thermostats, but giving guests the possibility of adjusting the temperature within the set limits.
- Key card management with the possibility of limiting access to certain areas of the hotel and monitoring of movements using each key card.
- Control of different types of alarms and notifications from rooms or common areas.
- Control of DND or MUR type notifications (do not disturb and make up room).

The use of different icons and colours helps the operator to immediately identify the status of the room.

Hotel Supervision Server software can be activated using two types of license:

- **3544SW**
  - Management and supervision of up to 20 rooms or common areas
- **3546SW**
  - Management and supervision of over 20 rooms or common areas

**WARNING**

A system can consist of up to 10 Pcs with the supervision software installed. Hotel Supervision Server + Hotel Supervision Client must both only be installed on the 1st PC, while for the 2nd to 10th PC only Hotel Supervision Client is required.
In this chapter you will find all the details for correct installation of an SCS BUS system:

- SELV classification
- Maximum distances and absorptions
- Maximum number of configurable devices

For the purpose of the above calculations, refer to the TECHNICAL DATA found in the chapter TECHNICAL SHEETS.

In calculating the absorption it will be necessary to also consider the current available based on the length of the cable.

**CLASSIFICAZIONE SELV**

The Automation system belongs to the SELV (Safety Extra Low Voltage) class, as it is powered with double safety insulation independent devices not connected to the ground, and has a maximum operating voltage of 27 Vdc, in accordance with CEI EN 60065; it therefore can be compared to a SELV source as described at point 411.125 of CEI 64-8-4. Compliance with SELV classification is only guaranteed subject to full compliance with current installation regulations, and with the general installation regulations for the individual devices and cables making up the system outlined by BTicino.

**MAXIMUM DISTANCES OF THE BUS CABLE AND ABSORPTIONS**

The maximum number of devices that can be connected to the BUS depends on the total absorption of the same and the distance between the point of connection and the power supply. The power supply can supply up to 1200 mA or 600 mA; the maximum number of devices that can be installed will therefore depend on the sum of their individual absorptions.

**During sizing comply with the following rules:**

1. The connection length between the power supply and the furthest device must not exceed 250 m.

2. The total length of the connections must not exceed 500 m (cable extended).
For optimum division of the currents on the bus line it is recommended that the power supply is installed in an intermediate position.

With power supply E46ADCN:

- A = 250 m max
- B = 250 m max
- A + B = 500 m

Maximum current provided by the power supply: 1200 mA.

With power supply E49:

- A = 250 m max
- B = 250 m max
- A + B = 500 m

Maximum current provided by the power supply: 600 mA.

NOTE: If a UTP5 cable is used in alternative to the L4669 BUS cable, distances are halved.

for more information on the design and installation of the SCS-BUS solutions see the specific MyHOME technical guide

www.catalogo-sfogliabile.bticino.it/myhomegb/

Consult the MyHOME specific catalogue (QR code)
MAXIMUM DISTANCES AND ABSORPTIONS

MAXIMUM DISTANCES FOR THE CONNECTION OF ACTUATORS BASED ON THE LOAD

In order to correctly manage certain types of loads, it is necessary to comply with some installation requirements, applicable to all the actuators used.

Fluorescent lamps: the length of the connection cable between the actuator and the load must not be less than 3 m. Do not connect more than 15 actuators controlling this type of lamps to the same line.

Metal halide and sodium vapour lamps: in addition to the indications provided for fluorescent lamps, also pay attention to the instructions for use for these lamps (for example avoid switching on when hot), do not connect dimmers to the same line of these lamps, keep the BUS line and the power line for these types of lamps separated by at least one metre.

Three-phase networks: in case of three-phase networks, check the balancing of the phases, and the quality of the network. Failure to comply with the above requirements can compromise the correct operation of the devices.

MAXIMUM DISTANCE FOR THE CONNECTION OF THE CONTACT INTERFACE

The length of the connection between the interface (basic or in DIN module) and the traditional type device must not exceed 50 m. Several pushbuttons may be connected to the interface inputs.
RULES ON THE VLAN NETWORK INFRASTRUCTURE

Below suggestions are made on how to organise the VLAN networks inside the Ethernet network infrastructure in the hotel.

The services and devices in the hotel should be grouped into sub-networks (VLAN), as suggested in the example below.

VLAN = Virtual Local Area Network

VLAN 1
- Devices of the hotel system
  - MH201
  - F458
  - Supervision software

VLAN 2
- IP telephones [VOIP]
- PC
- Printers
- Various services
- PMS software

VLAN 3
- Wi-Fi data network
- Wire data network

VLAN 4
- CCTV safety system

VLAN network legend

VLAN 1 = virtual network dedicated to the Bticino/Legrand hotel devices
VLAN 2 = virtual network dedicated to the IP telephony [VOIP] and various services [printers, etc...]
VLAN 3 = virtual network dedicated to the distribution of the WiFi and wired “Internet” signal
VLAN 4 = virtual network dedicated to safety [CCTV, etc...]
EXAMPLE OF A NETWORK INFRASTRUCTURE IN A HOTEL WITH SUBDIVISION IN VLAN
RULES ON THE ETHERNET NETWORK INFRASTRUCTURE

THREE DIFFERENT DIAGRAMS, WITH DIFFERENT SYSTEM TYPES OF ETHERNET NETWORK DEPENDING ON THE NUMBER OF ROOMS AND AREAS TO BE CONTROLLED AND THE MONITORING STATIONS IN RECEPTION, ARE SUPPLIED BELOW.

Type of system up to 100 zones (rooms or common areas) and a supervision PC in Reception and PMS software*.

NOTES FOR THE NETWORK ADMINISTRATORS:

Automatic device search procedures (based on UPnP), for both MH201 and Supervision Software, are associated with this topology. These allow the association of each area gateway to its own ID. In this case the network administrator must supply an automatic configuration service of the hosts in network on the Bticino/Legrand VLAN (recommended solution), or explicitly choose to use the APIPA protocol, isolating the Legrand VLAN with the other network sections.

* The PMS software IS OPTIONAL
NOTES FOR THE NETWORK ADMINISTRATORS:
As the number of rooms increases the functions of the UPnP protocol become inefficient. Consequently the network administrator must make sure that there are no DHCP/DNS services on the BTicino/Legrand VLAN. These services will be supplied by F458. The maximum number of rooms supported in this diagram is 500.

Type of system between 100 and 500 zones (rooms or common areas) and a supervision PC in Reception and PMS software*.

* The PMS software IS OPTIONAL
RULES ON THE ETHERNET NETWORK INFRASTRUCTURE

NOTES FOR THE NETWORK ADMINISTRATORS:
As the number of rooms increases the functions of the UPnP protocol become inefficient. Consequently the network administrator must make sure that there are no DHCP/DNS services on the BTicino/Legrand VLAN. These services will be supplied by F458. The maximum number of rooms supported in this diagram is 500.

Type of system up to 500 areas (rooms or common areas) and 10 supervision PCs and PMS software*.

* The PMS software IS OPTIONAL
TYPICAL WIRING DIAGRAM FOR HOTEL ROOM AND COMMON AREAS

THE TYPICAL WIRING DIAGRAMS TO MAKE SYSTEMS IN HOTELS AND B&B OR IN FARM TOURISM ARE PRESENTED IN THE FOLLOWING PAGES.

The diagrams presented are:
- Basic wiring diagram – stand alone
- Advanced wiring diagrams for centralised systems and with the supervision software
- Section with the variants

Inside the room are the following functions:
- Courtesy light
- Entrance door open control
- Refrigerator door open control
- Safe open control
- Bathroom alarm
- Entrance door bell
- Entrance door electric door lock control
- Air conditioning system Eco function
- Remote switch function

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**NOTE FOR DESIGNER:**
- The devices listed in the legend refer to the Livinglight series and the Touch controls. For all the other settings, refer to the catalogue section.
- The new Touch controls can only be configured using the configuration software.
TYPICAL DIAGRAM OF A BASIC ROOM: STAND ALONE SOLUTION

Controls with Livinglight or Axolute.

DIAGRAM

FUNCTIONS AVAILABLE following the programming of the F420 Scenario module*

PUTTING THE KEY CARD ON THE READER OUTSIDE THE ROOM
- Door lock activation for 2 sec [F411/U2 C1]

PUTTING THE KEY CARD IN THE SWITCH INSIDE THE ROOM *
- Activation of the room light and socket remote switch [F411/U2 C2]

TAKING THE KEY CARD OUT OF THE SWITCH INSIDE THE ROOM *
Deactivation of the room light and socket remote switch after 60 sec [F411/U2 C2]

*Scenario programming, item F420:
SCENARIO 1 ON 1-2
SCENARIO 9 OFF 1-2

230 V
50 Hz
L
N
IG

230 Vac
L1
N2

Transformer
Bell
12-24 Vac/dc
max 1 A

SCS

FT1A2N230
230 Vac – 25 A Max

Room remote switch

Room door electric lock

Light and socket power activated by the presence inside the room

TMG4
TMG2
TMG3

E49

SCS

F411U2

F420* Scenario module

127

3547

38
TYPICAL DIAGRAM OF THE ETHERNET INFRASTRUCTURE IN A HOTEL

**2ND FLOOR - CORRIDOR**
- Switch layer 3
- To the other floors

**1ST FLOOR - CORRIDOR**
- Room 129
- Room 128
- To the 127 room

**RECEPTION**
- Existing hotel Ethernet network
- Switch layer 3
- Corridor Wi-Fi access point

**NOTE:** A system can consist of up to 10 PCs with the supervision software installed. Hotel Supervision Server + Hotel Supervision must both only be installed on the 1st PC, while for the 2nd to 10th PC only Hotel Supervision is required.
GENERAL RULES FOR INSTALLATION

TYPICAL ROOM DIAGRAM: CENTRALISED SOLUTION WITH TRADITIONAL ELECTRIC SYSTEM

Example of scenarios that can be set in the MH201 scenario module:

PUTTING THE KEY CARD ON THE READER OUTSIDE THE ROOM
- Door lock activation for 2 sec (F411/4 C1)
- Switching on the courtesy light for 120 sec (F411/4 C3)

OPEN/CLOSE THE ROOM ENTRANCE DOOR
- Activation of “Warning – Door” indication after 12 sec of opening
- Automatic reset when the door is closed again

PUTTING THE KEY CARD IN THE SWITCH INSIDE THE ROOM *
- Unlock thermostat keys to adjust temperature and fan speed >only if window closed<
- Setting Comfort temperature >only if window closed<

TAKING THE KEY CARD OUT OF THE SWITCH INSIDE THE ROOM *
- ECO temperature setting (THERMAL PROTECTION or OFF)
- Activation of “Alarm – SOS” (on SW) and backlighting flashing

OPEN ROOM WINDOW
- ECO temperature setting (THERMAL PROTECTION or OFF)
- Thermostat key block

CLOSE ROOM WINDOW
- If room occupied: setting ON (COMFORT) temperature and thermostat key unlock
- If room not occupied: setting ECO temperature (THERMAL PROTECTION or OFF) and thermostat key lock

COURTESY LIGHT MANAGEMENT USING THE PUSHBUTTON INSIDE THE ROOM (NT4005+F428)
- If there is a key card, step/step management of the courtesy light (F411/4 C3)
- If there is no key card the switching on is timed for 120 sec for F91/12/24 or 30 sec for F411/4 C3; if in the meantime the key card is put into the switch, the light remains on steadily

BATHROOM SOS ALARM
- Activation of “Alarm – SOS” (on SW) and backlighting flashing
- Manual reset from SW. The local manual reset (CEN control) can be set with different MH201 programming from traditional control or SOS home automation

Controls with Livinglight or Axolute.
Example of scenarios that can be set in the MH201 scenario module:

**PUTTING THE KEY CARD ON THE READER OUTSIDE THE ROOM**
- Door lock activation for 3 sec (F411/4 C1)
- Switching on the courtesy light for 120 sec (F411/4 C3)

**OPEN/CLOSE THE ROOM ENTRANCE DOOR**
- Activation of “Warning – Door” indication after 12 sec of opening the door without (on SW). Event saved in the room event history
- Automatic reset when the door is closed again

**PUTTING THE KEY CARD IN THE SWITCH INSIDE THE ROOM**
- Activation of the room light and socket remote switch (F411/4 C2)
- Setting comfort temperature > only if window closed <
- Unlock thermostat keys to adjust temperature and fan speed > only if window closed <

**TAKING THE KEY CARD OUT OF THE SWITCH INSIDE THE ROOM**
- ECO temperature setting (PROTEZIONE TERMICA or OFF)
- Thermostat key block

**OPEN ROOM WINDOW**
- ECO temperature setting (THERMAL PROTECTION or OFF)
- Thermostat key block

**CLOSE ROOM WINDOW**
- If room occupied: setting ON (COMFORT) temperature and thermostat key unlock
- If room not occupied: setting ECO temperature (THERMAL PROTECTION or OFF) and thermostat key lock

**COURTESY LIGHT MANAGEMENT USING THE PUSHPACKET INSIDE THE ROOM (NT4005+F428)**
- If there is a key card, step/step management of the courtesy light (F411/4 C3)
- If there is no key card the switching on is timed for 120 sec (F411/4 C3); if in the meantime the key card is put into the switch, the light remains on steadily

**BATHROOM SOS ALARM**
- Activation of “Alarm – SOS” (on SW) and backlighting flashing reader outside the room (LN/H4651)
- Manual reset from SW. The local manual reset can be set with different MH201 programming from traditional control or SCS home automation.
TYPICAL ROOM DIAGRAM: CENTRALISED SOLUTION WITH HOME AUTOMATION SYSTEM

Touch interfaces and controls.

Example of scenarios that can be set in the MH201 scenario module:

PUTTING THE KEY CARD ON THE READER OUTSIDE THE ROOM
- Door lock activation for 2 sec (F411/4 C1)
- Switching on the courtesy lights (F411/4 C3)

OPEN/CLOSE THE ROOM ENTRANCE DOOR
- Activation of “Warning – Door” indication after 12 sec of opening the door without (on SW). Event saved in the room event history
- Automatic reset when the door is closed again

PUTTING THE KEY CARD IN THE SWITCH INSIDE THE ROOM
- Activation of the room light and socket remote switch (F411/4 C2)
- Setting Comfort temperature >only if window closed<
- Unlock thermostat keys to adjust temperature and fan speed >only if window closed<

TAKING THE KEY CARD OUT OF THE SWITCH INSIDE THE ROOM
- ECO temperature setting
- Switching off all the room lights after 20 sec of deactivation of the room light and socket remote switch after 30 sec (F411/4 C2)
- Thermostat key block

OPEN ROOM WINDOW
- ECO temperature setting (THERMAL PROTECTION or OFF)
- Thermostat key block

CLOSE ROOM WINDOW
- If room occupied: setting ON (COMFORT) temperature and thermostat key unlock
- If room not occupied: setting ECO temperature and thermostat key lock

COURTESY LIGHT MANAGEMENT USING THE PUSHBUTTON INSIDE THE ROOM (NT4005+F428)
- If there is a key card, step/step management of the courtesy light (F411/4 C3)
- If there is no key card the switching on is timed for 120 sec (F411/4 C3); if in the meantime the key card is put into the switch the light remains on steadily

BATHROOM SOS ALARM
- Activation of “Alarm – SOS” (on SW) and backlighting flashing reader outside the room (L1/H4651)
- Manual reset from SW. The local manual reset (CEN control) can be set with different MH201 programming from traditional control or SCS home automation.

Power for lights, sockets and USB sockets always ON
**SCS-BUS SYSTEM**

**GUEST ROOM MANAGEMENT SYSTEM**

- **C1 C2 C3 C4**
- **ART. F430/4**
- **1 1 2 4 5**
- **M**
- **PRI: 220 – 240 V~**
- **185 – 175 m A**
- **50/60 Hz**
- **SCS: 27 V dc**
- **600 mA**
- **230 V**
- **50 Hz**
- **L N**
- **(TMG+ EARTH LEAK.)**

- **FAN-COIL**
  - 3 speeds
  - 2 tubes - ROOM -

- **To the floor switch**

- **Bathroom and room lights**

- **F411/4**
  - **1 2 4 5**

- **Room dimmer**

- **Bathroom and room lights**

- **F418**

- **Bathroom and room lights**

- **F411U2**

- **Transformer F91/12/24**
  - Bell outside the door 12-24 Vac/dc max 1 A

- **0 487 76**
  - **0 487 86**

- **0 487 71**
  - **0 487 81**

- **F428**

- **Light and socket power activated by the presence inside the room**

- **Transformer F91/12/24**

- **0 487 71**
  - **0 487 81**

- **FUNCTION**
  - window closed
  - window open
  - ECO (THERMAL PROTECTION or OFF)

- **3547**

- **to be defined during scenario configuration on MH201 or 0 487 73 configuration**

- **Bell outside the door**
  - 12-24 Vac/dc max 1 A

- **Power for lights, sockets and USB sockets always ON**

- **3510/3511**

- **3510/3511**

- **Bell outside the door**

- **Magnetic window sensor**
**GENERAL RULES FOR INSTALLATION**

## TYPICAL WIRING DIAGRAMS FOR COMMON AREAS

### DIAGRAM 5

**HOTEL MAIN ENTRANCE**

Access control

**HOTEL DRIVEWAY ENTRANCE**

Driveway access control

---

* NON-DISCRIMINABLE ENTRANCES

If the possibility of programming a key card only for the main entrance or the driving entrance is required, or to discriminate access to the individual entrance, it will be necessary to use 1pc E49+1pc MH201 per reader.

---

**ROOM DOOR ELECTRIC LOCK**

230 V a.c.

**TO THE FLOOR SWITCH**

MH201 Gateway

**BUS/SCS**

---

**TYPICAL WIRING DIAGRAMS FOR COMMON AREAS**

### DIAGRAM

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL DRIVEWAY ENTRANCE**

Driveway access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL MAIN ENTRANCE**

Access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL DRIVEWAY ENTRANCE**

Driveway access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL MAIN ENTRANCE**

Access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL DRIVEWAY ENTRANCE**

Driveway access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL MAIN ENTRANCE**

Access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL DRIVEWAY ENTRANCE**

Driveway access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL MAIN ENTRANCE**

Access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL DRIVEWAY ENTRANCE**

Driveway access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL MAIN ENTRANCE**

Access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL DRIVEWAY ENTRANCE**

Driveway access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---

**HOTEL MAIN ENTRANCE**

Access control

---

**TRANSFORMER F91/12/24**

230 V a.c.

Room door electric lock

---

**FAN-COIL 3 SPEEDS**

2 TUBES - ROOM - 3510/3511

---

**MAGNETIC WINDOW SENSOR**

ON (comfort)

---

**FUNCTION**

---

**MODE**

+ –

---
RECEPTION
Temperature management

BATHROOM
Emergency call management

FAN-COIL
3 speeds
2 tubes - ROOM -

FAN-COIL
3 speeds
2 tubes - ROOM -

FAN-COIL
3 speeds
2 tubes - ROOM -

Magnetic window sensor

Magnetic window sensor

Magnetic window sensor

FUNCTION

window closed
(comfort)

window closed
(eco)

window closed
(eco)

window open
(comfort)

window open
(eco)

window open
(eco)

ECO (THERMAL PROTECTION or OFF)

ECO (THERMAL PROTECTION or OFF)

ECO (THERMAL PROTECTION or OFF)

to be defined during
scenario configuration
on MH201 or LN4691
configuration

to be defined during
scenario configuration
on MH201 or LN4691
configuration

to be defined during
scenario configuration
on MH201 or LN4691
configuration

BATHROOM alarm bell

BATHROOM alarm LED

To other devices
Room with independent temperature control in the bathroom.

This variant suggests the use of a heating element in the bathroom, with possible control of the ECO function.
Management and control of 3-speed and 4-tube FAN-COIL.

This variant proposes the diagram to manage a temperature control system with 4 tubes, 3-speed FAN-COIL and the use of a single 8-output actuator.
Fan-coil management and control with 0-10 V control.

This variant proposes an example of connection of one 4-tube fan-coil with 0-10 V speed and the use of two 0-10 V outputs (LOAD 3).
"Virtual Key Card" function room activation.

The VIRTUAL KEY CARD function gives the possibility of activating and deactivating the functions inside the room without the need to use the physical key card and the corresponding key card switch. Activation and deactivation are possible thanks to the detection of the individual inside the room by the movement sensors installed in the various areas and the sensor at the entrance door.

The "Virtual Key Card" function is not yet available, for information on availability contact the sales staff.

**NOTE**: as an alternative to 146721+E49, it is possible to install E46ADCN.
Protruding wall-mounted installation.
Ideal for masonry installations.

**HORIZONTAL MODE**
- 0 800 41
- 6 890 07
- PB502N
- 503E
- PB503N

**VERTICAL MODE**
- 0 800 41
- 6 890 07
- PB502N
- 503E
- PB503N

**RECOMMENDED HEIGHTS:** Height recommended for the installation of the readers outside the door.

![Diagram showing recommended heights](image-url)
Flush-mounted installation.

Ideal for installation in plasterboard walls, furniture or headboards.

**HORIZONTAL MODE**

**VERTICAL MODE**

For this installation solution, it is necessary to use item 0 487 88.

Height recommended for thermostat installation.
The following procedure is an example of the starting of a system.

In the case of a system with fewer than 100 zones; rooms/common areas (without IP Server F458) the passages shown in red must be omitted.

There are alternative methods (such as the creation of the project by scanning the system) which can be used as needed.

1. Install the electric system in the rooms / common areas
2. Install the device IP Server F458
3. Install and run MyHOTEL_Suite (not necessarily on hotel reception PC)
4. Open MyHOTEL_Suite and create a new HOTEL project:
5. Select "IP Server F458" in the "project information" section
6. Enter in “structure”
7. Configure the F458
   a. After sending the F458 configuration wait for 1 minute and SWITCH THE HOTEL SYSTEM ON AND OFF AGAIN [F458+MH201]
      The system is up to speed with the assignment of the IP addresses in a few minutes.
      In the mean time one can continue with the next steps.
      As an alternative to the disconnection and reconnection of the MH201 power supply, it is also possible to only restart the network devices (switches) to which the MH201 are connected
8. Always in the “Structure” section, add buildings and floors by means of the “Edit” menu
9. Create a room/common area in the corresponding floor
10. For each room/common area created, customise Type, Name and Category (the MAC address field will be configured in the next steps)
    a. With F458 select DHCP
11. For each room/common area created, edit from the “Properties” window
    a. Configure the MH201 (see the corresponding manual)
    b. Add the necessary SCS devices and configure them appropriately
PROCEDURE FOR STARTING A SYSTEM

12. Return to the “Structure” section

13. The already created rooms/common areas can be “copied” and “pasted”.

   In this case the following information must be customised
   
   a. Type, name and category
   
   b. Network address [IP] in the MH201
   
   c. Unique code of the MH201
   
   d. The ID of the SCS devices
   
   e. Any other customisations of the individual room/common area (e.g. contacts, scenarios, access control etc.)

14. In the “Structure” area enter the properties window, select “search on network” and search for the IP devices

15. Drag the MH201 devices found in the network to the corresponding rooms/common areas based on MAC ADDRESS [be careful that the correspondence is correct]

16. At this point the configurations can be sent to the devices of each room/common area (by means of the “edit room/area” function)

   a. Send the configuration of the MH201
   
   b. Connect to the MH20e entering the IP address in the template at the top left and sending the configuration of the SCS devices

17. Save the MyHOTEL_Suite project file just completed by File → Save system

18. Create the project file of the supervision software from File → Create hotel file

19. Install and configure the “Hotel Supervision Server” software (see its manual) in which the file just created will be loaded.

20. Install and configure the “Hotel Supervision” software [see its manual].
NEW PREMIUM OFFER
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LIVINGLIGHT + Dimensional data 92

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Technical sheets

Technical sheets 106
The offer is enriched by further SPECIFIC DEVICES

New Touch interfaces for the room.

Their look is compatible with the Axolute and Livinglight series.
The catalogue offers BLACK and WHITE versions, while TECH and MAGNESIUM are also available through the software.

Using the specific "Web APP" configuration software, it is possible to further customise the products.
The software also gives the possibility of generating a list of customised codes that can be forwarded to the points of sale and BTicino technical sales personnel when ordering the products.

THE PRODUCTS OUTLINED IN THESE PAGES ARE SPECIFICALLY INTENDED FOR HOTEL ROOM FUNCTIONS. THE CATALOGUE ONLY SHOWS SOME OF THE AVAILABLE CONFIGURATIONS, BUT MANY MORE ARE ALSO AVAILABLE ON REQUEST.

The software can be downloaded from:

www.uxforupscalehotel.legrand.com
**PREMIUM OFFER**  
**NEW TOUCH INTERFACES**

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**INDICATORS AND CONTROLS FOR THE ROOM MANAGEMENT**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL4650</td>
<td>outside the door indicator, in black plastic plate finish. It includes DO NOT DISTURB (DND) and MAKE UP THE ROOM (MUR) indicator and bell pushbutton. The device has a NC clean contact controlled by the bell symbol. The contact can be programmed for the bell function, or the electric door lock release. Vertical installation. Connection to SCS-BUS, dimension: 3 modules.</td>
</tr>
<tr>
<td>FL4650W</td>
<td>as above - in white plastic plate finish.</td>
</tr>
<tr>
<td>FL4651</td>
<td>key card reader + outside the door indicator in black plastic material. It includes key card reader in RFID technology + DO NOT DISTURB (DND) and MAKE UP THE ROOM (MUR) indicators and bell pushbutton. The device has a NC clean contact controlled by the bell symbol. The contact can be programmed for the bell function, or the electric door lock release. Vertical installation. Connection to SCS-BUS, dimension: 3 modules.</td>
</tr>
<tr>
<td>FL4651W</td>
<td>as above - in white plastic plate finish.</td>
</tr>
</tbody>
</table>

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**KEY CARD SWITCHES - BASIC VERSION**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL4648</td>
<td>Basic key card switch, in black plastic plate finish. It allows the activation of the hotel room functions with RFID technology recognition, and to control the outside the door DO NOT DISTURB (DND) and MAKE UP THE ROOM (MUR) notifications. Slot for key card with built-in lighting. Connection to SCS-BUS, dimension: 3 modules.</td>
</tr>
<tr>
<td>FL4648W</td>
<td>as above - in white plastic plate finish.</td>
</tr>
</tbody>
</table>

---

**KEY CARD SWITCHES - ADVANCED VERSION**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL4649</td>
<td>Advanced key card switch in black plastic plate finish. It allows the activation of the hotel room functions with RFID technology recognition, and to control the outside the door DO NOT DISTURB (DND) and MAKE UP THE ROOM (MUR) notifications. Moreover, based on the information stored on the key card (CUSTOMER or STAFF), it allows to recall different scenarios. Slot for key card with built-in lighting. Connection to SCS-BUS, dimension: 3 modules.</td>
</tr>
<tr>
<td>FL4649W</td>
<td>as above - in white plastic plate finish.</td>
</tr>
</tbody>
</table>

(*) for the availability contact the BTicino Sales Staff.

---

NOTE: The outside the door indicators with key card readers and key card switches are with RFID technology (Mifare classic ISO14443 type A).

NOTE: White device ■ Black device
PREMIUM OFFER
NEW TOUCH INTERFACES

**DIGITAL TEMPERATURE PROBE WITH TOUCH TECHNOLOGY DISPLAY**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL4654</td>
<td>Temperature probe with backlit display, in <strong>black</strong> plastic material. It controls the temperature of an individual zone. It has a temperature and humidity probe and an input for the connection of a contact line (e.g. window contact). It can be used for the management of different types of systems, and the adjustment of the fan speed when Fan Coils are used. Possibility of automatic operation (summer/winter), with compatible systems. SCS-BUS connection - Sizes: 3 modules.</td>
</tr>
<tr>
<td>FL4654W</td>
<td>As above - in <strong>white</strong> plastic plate finish.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL4653</td>
<td>Control panel to be installed on the bedhead, in <strong>black</strong> plastic material. It includes a temperature probe with backlit display (all the functions of FL4654), plus the following scenario controls: - Reading - TV - Sleep - Wake up - General OFF - DND (do not disturb) The scenarios are to be programmed in the MH201. SCS-BUS connection - Sizes: 3 modules.</td>
</tr>
<tr>
<td>FL4653W</td>
<td>As above - in <strong>white</strong> plastic plate finish.</td>
</tr>
</tbody>
</table>

**DIGITAL TEMPERATURE PROBE WITH DISPLAY + 6 TOUCH CONTROLS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL4655</td>
<td>4-control device, in <strong>black</strong> plastic material. It has 2 scenario controls, to be programmed in the MH201, and 2 fixed commands: do not disturb (DND) and make up the room (MUR). Connection to SCS-BUS, dimension: 2 modules.</td>
</tr>
<tr>
<td>FL4655W</td>
<td>As above - in <strong>white</strong> plastic plate finish.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL4652</td>
<td>6-scenario control device, in <strong>black</strong> plastic material. The scenarios are: - Wake up - Sleep - TV - General OFF - Curtain opening - Curtain closure The 6 scenario controls must be programmed in the MH201. Connection to SCS-BUS, dimension: 2 modules.</td>
</tr>
<tr>
<td>FL4652W</td>
<td>As above - in <strong>white</strong> plastic plate finish.</td>
</tr>
</tbody>
</table>
PREMIUM OFFER
NEW TOUCH INTERFACES

MOVEMENT DETECTORS

- **0 487 78** PIR sensor
  PIR technology sensor for the activation of the “VIRTUAL KEY CARD” function. The VIRTUAL KEY CARD function gives the possibility of activating the functions inside the room through the detection of the presence of an individual in the room, without the need to use the key card switch. The sensor is stand-alone and is not connected to the SCS-BUS (power supply 8 - 30 Vdc); it also has a NO contact output (8 - 30 Vdc - max applicable voltage). Wall mounted or ceiling installation, diameter 20 mm. When installed on the ceiling at a height of 2.5 m, it covers a range of 5 m.

The “Virtual Key Card” function is not yet available, for information on availability contact the sales staff.

INSTALLATION ACCESSORIES

- **0 487 79** Protruding wall mounted installation support.
  Plastic support for wall mounted installation of the products using box 500, 502E, 503E e PB502N, PB503N for 3-module devices.

- **0 487 88** Flush mounted installation support.
  Plastic support for flush mounted installation of the products (ideal for installation on furniture or plasterboard walls). To be installed as an alternative to the item 0 487 79.

NOTE: Neutral item

Dimensional data

ADVANCED INTERFACES

PIR SENSOR

FLUSH MOUNTED BOX FOR MASONRY WALLS

FLUSH MOUNTED BOX FOR PLASTERBOARD

INSTALLATION ACCESSORIES

- **0 487 79** Protruding wall mounted installation support.
  Plastic support for wall mounted installation of the products using box 500, 502E, 503E e PB502N, PB503N for 3-module devices.

- **0 487 88** Flush mounted installation support.
  Plastic support for flush mounted installation of the products (ideal for installation on furniture or plasterboard walls). To be installed as an alternative to the item 0 487 79.

NOTE: Neutral item

Protruding wall mounted installation

Flush mounted installation
A complete offer

for a state-of-the-art electric system inside the whole welcoming establishment and in particular inside the hotel room. All this to ensure that customers feel immediately at ease. The offer includes both standard traditional functions, and more advanced functions.

DESIGNED TO ENHANCE CUSTOMER COMFORT

A solution for all types of hotels

The BTicino offer for the rooms, and in wider terms for the whole hotel establishment, includes many more devices that are normally also used for other applications.

Request or view the Axolute catalogue
AXOLUTE
SCS-BUS devices (specific for the hotel)

<table>
<thead>
<tr>
<th>Item</th>
<th>KEY CARD SWITCHES</th>
<th>Item</th>
<th>IP SCENARIO MODULE</th>
</tr>
</thead>
<tbody>
<tr>
<td>H4649</td>
<td>key card switch for function activation in the hotel room - slot light with built-in lamp - SCS-BUS connection - sizes: 2 modules - to be completed with front cover in the desired look</td>
<td>MH201</td>
<td>it manages scenarios related to hotel rooms - it works as a gateway for the Configuration and Supervision software - it is necessary to install one module for each room or zone - SCS-BUS and ethernet network connection - sizes: 1 DIN module</td>
</tr>
<tr>
<td>H4648</td>
<td>key card switch for function activation in the hotel room with RFID technology recognition - slot light with built-in lamp - SCS-BUS connection - sizes: 2 modules - to be completed with front cover in the desired look</td>
<td>F420</td>
<td>device to save 16 scenarios for the Automation, Sound system, Temperature control and Video door entry applications - 2 DIN modules</td>
</tr>
<tr>
<td>H4650</td>
<td>key card reader in RFID technology + DO NOT DISTURB – MAKE UP THE ROOM indicator and bell pushbutton - SCS-BUS connection - sizes: 2 modules</td>
<td>F458</td>
<td>IP SERVER to be used in systems with over 100 rooms or zones (over 100 MH201 installed). Sizes: 6 DIN modules</td>
</tr>
<tr>
<td>H4651</td>
<td>key card reader in RFID technology + DO NOT DISTURB – MAKE UP THE ROOM indicator and bell pushbutton - SCS-BUS connection - sizes: 2 modules</td>
<td>F459</td>
<td>DRIVER MANAGER integration platform with other brand systems. Sizes: 6 DIN modules</td>
</tr>
<tr>
<td>H4653</td>
<td>DO NOT DISTURB – MAKE UP THE ROOM control to be completed with key covers - SCS-BUS connection - sizes: 2 modules</td>
<td></td>
<td>Contact the agency to check the feasibility of specific integrations and to request the licence needed to use the Driver manager.</td>
</tr>
<tr>
<td>3547</td>
<td>credit card key card (ISO 50x80 mm). It uses transponder technology Mifare classic ISO14443 type A. To be used together with the key card programmer, item code 348402. The key card can be customised and is sold in lots of 5 pieces.</td>
<td>3544SW</td>
<td>SOFTWARE Licence for the software for the room status supervision, the basic management and the key card programming for a Hotel with up to 20 rooms</td>
</tr>
<tr>
<td>348402</td>
<td>table-top key card programmer to be connected to the PC in the reception.</td>
<td>3546SW</td>
<td>Licence for the software as above – for a Hotel with more than 20 rooms</td>
</tr>
</tbody>
</table>

NOTE: To request integration with PMS which use FIAS protocol (e.g. Fidelio) contact the agency.
AXOLUTE

SCS-BUS devices (lights and automation)

<table>
<thead>
<tr>
<th>Item</th>
<th>CONTROLS</th>
<th>GLASS DIGITAL CONTROLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>H4651M2</td>
<td>special control – can drive an actuator performing all the standard functions of a control and in addition some special functions: activation of 4 scenarios saved in module item F420, timings, activation of an actuator installed on a different bus than the control, selection of the fixed adjustment level and the dimmer soft-start and soft-stop speed, sound system, door lock switching on control, call to the floor and switching on staircase light control and management of auxiliary channels. To be completed with 1 or 2-module key covers with one or two functions - 2 modules</td>
<td>MyHOME control which can control single loads or group loads (e.g. lights and rolling shutters). The configuration can take place in two different ways: physical (putting the physical configurators in their sockets) or virtual (the control can be configured remotely). It has capacitive keys, which are touch activated. They can be identified by LED with light of adjustable intensity.</td>
</tr>
<tr>
<td>H4652/2</td>
<td>control which can drive a single actuator for single or double loads or two actuators for single loads or independent double loads – to be completed with 1 2-module key cover for controls with one or two functions or 2 1-module key covers with one or two functions - 2 modules</td>
<td>WHITE GLASS</td>
</tr>
<tr>
<td>H4652/3</td>
<td>control which can drive three actuators for single or double loads or two actuators for single loads or independent double loads – to be completed with 3 1-module key covers for controls with one or two functions - 3 modules</td>
<td>6-key control – size: 3 modules</td>
</tr>
<tr>
<td>H4660M2</td>
<td>2 module flush mounted control with reduced thickness with 3 pushbuttons, only suitable for operation with advanced actuators H4661M2 and F401, specific for the management of rolling shutters. In addition to monostable and bistable UP/DOWN operation, the device also places the rolling shutter in a stored (PRESET) position.</td>
<td>8-key control – size: 4 modules</td>
</tr>
<tr>
<td>HD4680</td>
<td>customisable scenario control to control 4 independent &quot;room situations&quot; - 2 modules</td>
<td>NIGHTER</td>
</tr>
<tr>
<td>HS4680</td>
<td>8-KEY control for light management, rolling shutter automation, sound system and scenarios - SCS-BUS connection - sizes: 2 modules</td>
<td>6-key control – size: 3 modules</td>
</tr>
<tr>
<td>HC4680</td>
<td></td>
<td>8-key control – size: 4 modules</td>
</tr>
<tr>
<td>HS4680</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H4652</td>
<td>A5 sheets for the customisation of the symbols of item H4652 3541 = black; 3542 = white; The sheets can be customised using the tool found in the MyHOTEL Suite configuration software.</td>
<td></td>
</tr>
<tr>
<td>3541</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3542</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Installation of the glass digital control

NOTE: the glass controls can be customised with symbols by means of silk screen printing. On request as special orders.

NOTE: ☐ White device ☐ Tech device ☐ Anthracite device ☐ Neutral item
AXOLUTE
SCS-BUS devices (lights and automation)

**ACTUATORS AND FLUSH MOUNTED ACTUATORS/DIMMERS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ H4672M2</td>
<td>Actuator/control with 2 independent relays - for single, double or mixed loads: 1380 W resistive, 1380 W incandescent lamps, 460 W for reducer motors, 460 VA cosφ 0.5 for ferromagnetic transformers and 250 W for fluorescent lamps - logic relay interlock via configuration. The device can be also configured to manage a remote actuator - 2 modules.</td>
</tr>
</tbody>
</table>

**BASIC MODULE ACTUATOR**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ 3475</td>
<td>1 relay actuator - for single loads: 2 A resistive or incandescent lamps and 2 A cosφ 0.5 for ferromagnetic transformers - suitable for installation in ceiling lamps cup or in flush-mounted boxes behind the control devices.</td>
</tr>
<tr>
<td>☐ 3476</td>
<td>1 relay actuator - for single loads: 2 A resistive or incandescent lamps, 2 A cosφ 0.5 for ferromagnetic transformers - a traditional pushbutton with NO contact accepted in input</td>
</tr>
</tbody>
</table>

**ACTUATORS FOR ROLLING SHUTTER MANAGEMENT**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ H4661M2</td>
<td>Flush-mounted 2-module actuator with 2 internal relays and 4 pushbuttons made to work with the H4660M2 control devices to manage the rolling shutters. In addition to monostable and bistable UP/DOWN operation, the actuator also places the rolling shutter in a stored (PRESET) position.</td>
</tr>
<tr>
<td>☐ F401</td>
<td>As above - with 3 pushbuttons - 2 DIN modules</td>
</tr>
</tbody>
</table>

### LOADS THAT CAN BE DRIVEN (230 V a.c. 50/60 Hz)

<table>
<thead>
<tr>
<th>Actuators</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>H4672M2</td>
<td>Energy saving incandescent and halogen lamps</td>
</tr>
<tr>
<td>3475</td>
<td>LED lamps</td>
</tr>
<tr>
<td>3476</td>
<td>Linear fluorescent lamps</td>
</tr>
<tr>
<td>3475</td>
<td>Compact fluorescent lamps</td>
</tr>
<tr>
<td>3476</td>
<td>Electronic transformers</td>
</tr>
<tr>
<td>3475</td>
<td>Ferromagnetic transformers</td>
</tr>
<tr>
<td>H4661M2</td>
<td>Reducer motors for rolling shutters</td>
</tr>
</tbody>
</table>

|                   | 1380 W                               |
|                   | 250 W                               |
|                   | 250 VA                              |
|                   | 250 W                               |
|                   | 250 VA                              |
|                   | 460 W                               |
|                   | 460 VA                              |
|                   | 460 W                               |

<table>
<thead>
<tr>
<th>Item</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>H4672M2</td>
<td>1380 W, 250 W, 250 VA</td>
</tr>
<tr>
<td>3475</td>
<td>2 A</td>
</tr>
<tr>
<td>3476</td>
<td>40 W</td>
</tr>
<tr>
<td>H4661M2</td>
<td>2 A</td>
</tr>
<tr>
<td>F401</td>
<td>2 A</td>
</tr>
</tbody>
</table>

**Notes:**

1. Power factor corrected fluorescent lamps, discharge lamps.
2. Account must be taken of the transformer yield to calculate the effective power of the load connected to the actuator. For example if a dimmer is connected to a 100 VA ferromagnetic transformer with yield 0.8, the effective power of the load will be 125 VA.
3. The transformer must be loaded at its rated power and however never less than 90% of this power. It is preferable to use a single transformer rather than several transformers in parallel. For example it is better to use a single 250 VA transformer with 5 50 W spotlights connected rather than use 5 50 VA transformers in parallel each with a 50 W spotlight.
4. The symbol on the actuators refers to the rolling shutter reducer motors.

**NOTE:** ☐ Neutral item
AXOLUTE
SCS-BUS devices (lights and automation)

<table>
<thead>
<tr>
<th>Item</th>
<th>ACTUATORS FOR CENTRALISATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>F411U1</td>
<td>actuator with 1 two-way relay – for single loads: 16 A resistive, 10 A incandescence lamps, 4 A cos(\phi) 0.5 for ferromagnetic transformers and 4 A for fluorescent lamps - it has “Zero crossing” technology - 2 DIN modules</td>
</tr>
<tr>
<td>F411U2</td>
<td>actuator with 2 independent relays – for single and double loads: 10 A resistive and 6 A incandescence lamps, 500 W for reducer motors, 2 A cos(\phi) 0.5 for ferromagnetic transformers and 250 W for fluorescent lamps - logic relay interlock via configuration - it has “Zero crossing” technology - 2 DIN modules</td>
</tr>
<tr>
<td>F411/4</td>
<td>actuator with 4 independent relays - for single, double or mixed loads: 2 A resistive, 2 A incandescence lamps, 500 W for reducer motors, 2 A cos(\phi) 0.5 for ferromagnetic transformers and 70 W for fluorescent lamps - logic relay interlock via configuration - 2 DIN modules</td>
</tr>
<tr>
<td>F411/1NC</td>
<td>actuator with 1 two-way NC relay for single loads 16 A resistive, 10 A for incandescence lamps and 4 A for fluorescent lamps. On switching on the device always has the contact closed (ON status) and the contact is opened with an OFF command. In this way there would be no voltage from the BUS, the device would remain in the ON state, keeping the load on – 2 DIN modules</td>
</tr>
</tbody>
</table>

Notes:
1) Power factor corrected fluorescent lamps, discharge lamps.
2) Account must be taken of the transformer yield to calculate the effective power of the load connected to the actuator. For example if a dimmer is connected to a 100 VA ferromagnetic transformer with yield 0.8, the effective power of the load will be 125 VA.
3) The transformer must be loaded at its rated power and however never less than 90% of this power. It is preferable to use a single transformer rather than several transformers in parallel. For example it is better to use a single 250 VA transformer with 5 30W spotlights connected rather than use 5 50 VA transformers in parallel each with a 50 W spotlight.
4) The symbol on the actuators refers to the rolling shutter reducer motors.

LOADS THAT CAN BE DRIVEN (250 V a.c. 50/60 Hz)

<table>
<thead>
<tr>
<th>Actuators</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy saving incandescence and halogen lamps</td>
<td>LED lamps</td>
</tr>
<tr>
<td>F411U1</td>
<td>10 A</td>
</tr>
<tr>
<td>F411U2</td>
<td>10 A</td>
</tr>
<tr>
<td>F411/4</td>
<td>2 A</td>
</tr>
<tr>
<td>F411/1NC</td>
<td>10 A</td>
</tr>
<tr>
<td>BMSW1003</td>
<td>16 A</td>
</tr>
<tr>
<td>BMSW1005</td>
<td>16 A</td>
</tr>
</tbody>
</table>

Notes:
1) Power factor corrected fluorescent lamps, discharge lamps.
2) Account must be taken of the transformer yield to calculate the effective power of the load connected to the actuator. For example if a dimmer is connected to a 100 VA ferromagnetic transformer with yield 0.8, the effective power of the load will be 125 VA.
3) The transformer must be loaded at its rated power and however never less than 90% of this power. It is preferable to use a single transformer rather than several transformers in parallel. For example it is better to use a single 250 VA transformer with 5 30W spotlights connected rather than use 5 50 VA transformers in parallel each with a 50 W spotlight.
4) The symbol on the actuators refers to the rolling shutter reducer motors.

NOTE: ○ Neutral item
**AXOLUTE**

**SCS-BUS devices (lights and automation)**

<table>
<thead>
<tr>
<th>Item</th>
<th>DIMMERS FOR CENTRALISATIONS</th>
<th>Multi-load dimmers for centralisations</th>
</tr>
</thead>
<tbody>
<tr>
<td>F413N</td>
<td>1-output dimmer to supply fluorescent lamps or LED sources with input 1-10 V for single loads up to 2.5 A at 230 V a.c. – type of screw connection - power supply 27 V d.c. – absorption 30 mA – max 10 ballast that can be connected (clamps 1-2) - with pushbutton for load direct control - version for fastening on DIN rail - 2 modules</td>
<td>multi-load dimmer, 1 output with maximum load 4.3 A at 230 V a.c., clamp connection and RJ45, IP20 protection index, power supply 100/240 V a.c. 50/60 Hz, pushbutton for load direct control - 6 DIN modules</td>
</tr>
<tr>
<td>BMDI1002</td>
<td>1/10V dimmer, “Zero Crossing” technology, 4 outputs with maximum load 4.3 A at 230 V a.c., clamp connection, IP20 protection index, power supply 100/240 V a.c. 50/60 Hz, pushbuttons for load direct control - 10 DIN modules</td>
<td>multiload dimmer, 2 independent outputs with maximum load 1.7 A at 230 V, clamp and RJ45 connection, IP20 protection index, power supply 100/240 V a.c. 50/60 Hz, direct load control pushbutton - 6 DIN modules</td>
</tr>
<tr>
<td>F414</td>
<td>1-output dimmer to supply incandescence and halogen lamps with ferromagnetic transformer – power supply 27 V d.c. – absorption 9 mA - with pushbutton for load direct control - version for fastening on DIN rail - 4 modules</td>
<td>dimmer for the management of dimmer LEDs, compact fluorescent lamps (CFL), energy saving halogen lamps and electronic transformers at 110-230 V. Power supply 27 V d.c., absorption 10 mA - version for fastening on DIN rail - 4 modules</td>
</tr>
<tr>
<td>F429</td>
<td>DALI dimmer with 8 independent outputs for the connection of up to 16 DALI reactors for each output — 230 V a.c. power supply 50/60 Hz; 110 - 240 V d.c. — absorption 5 mA - with pushbutton for load direct control - version for fastening on DIN rail - 6 modules</td>
<td>two-channel dimmer for the management of dimmer LEDs, dimmer compact fluorescent lamps (CFL), energy saving halogen lamps and electronic transformers at 110-230 V. Possibility of parallelisation of the two channels to increase the maximum power which can be managed. power supply 27 V d.c., absorption 18 mA - version for fastening on DIN rail - 4 modules</td>
</tr>
</tbody>
</table>

### LOADS THAT CAN BE DRIVEN (250 V a.c. 50/60 Hz)

<table>
<thead>
<tr>
<th>Actuators</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy saving incandescence and halogen lamps</td>
<td>LED lamps</td>
</tr>
<tr>
<td>BMDI1002</td>
<td>Dimmer per ballast - 4 x 4.3 A outputs - 4x 1000VA@ 230 Vac - 4x 500VA@ 230 Vac</td>
</tr>
<tr>
<td>F413N</td>
<td>-</td>
</tr>
<tr>
<td>F414</td>
<td>0.25 - 4.3 A 60 - 1000 VA</td>
</tr>
<tr>
<td>F416U1</td>
<td>4.3 A 40 - 1000 W</td>
</tr>
<tr>
<td>F417U2</td>
<td>1.7 A 40 - 400 W</td>
</tr>
<tr>
<td>F418</td>
<td>1 - 300 W</td>
</tr>
<tr>
<td>F418U2</td>
<td>2x300 W</td>
</tr>
<tr>
<td>F429</td>
<td>SCS/DALI dimmer interface - 8 x16 ballast</td>
</tr>
</tbody>
</table>

**Notes:**
1) Power factor corrected fluorescent lamps, discharge lamps. 2) Account must be taken of the transformer yield to calculate the effective power of the load connected to the actuator. For example if a dimmer is connected to a 100 VA ferromagnetic transformer with yield 0.8, the effective power of the load will be 125 VA.
3) The transformer must be loaded at its rated power and however never less than 90% of this power. It is preferable to use a single transformer rather than several transformers in parallel. For example it is better to use a single 250 VA transformer with 5 50W spotlights connected rather than use 5 50 VA transformers in parallel each with a 50 W spotlight.
4) The symbol on the actuators refers to the rolling shutter reducer motors. 5) Only compatible with lamps with 1/10 V ballast.

**NOTE:** ○ Neutral item
AXOLUTE
SCS-BUS devices (temperature control)

**CATALOGUE**

**DIGITAL TEMPERATURE PROBE WITH TOUCH TECHNOLOGY DISPLAY**

- **FL4654**
  - temperature probe with backlit display with **black** cover plate finishing in plastic material. It controls the temperature of an individual zone. It has a temperature and humidity probe and an input for the connection of a contact line (e.g. window contact). It can be used for the management of different types of systems, and the adjustment of the fan speed when fan coils are used. Possibility of automatic operation (summer/winter), with compatible systems. SCS-BUS connection - Sizes: 3 modules.

- **FL4554W**
  - digital temperature probe with backlit display in Touch technology with **white** cover plate finishing. Same features of the FL4653.

**DIGITAL TEMPERATURE PROBE WITH DISPLAY + 6 TOUCH CONTROLS**

- **FL4653**
  - control panel to be installed on the bedhead with **black** cover plate finishing, in plastic material. It includes a temperature probe with backlit display (all the functions of FL4654), plus the following scenario controls:
    - Reading
    - TV
    - Sleep
    - Wake up
    - General OFF
    - DND (do not disturb)
  The scenarios are to be programmed in the MH201. SCS-BUS connection - Sizes: 3 modules.

- **FL4653W**
  - control panel to be installed on the bedhead with **white** cover plate finishing. Same features of the FL4653.

**THERMOSTAT**

- **H4691**
  - flush mounted thermostat with backlit display. It can be used to control the temperature of an individual zone, irrespective of a temperature control central unit being installed as part of the system or not. It features a temperature probe and an input for the connection of a contact line (e.g. window contact). It can be used for the management of different types of systems, and the adjustment of the fan speed when fan coils are used. Possibility of automatic operation (summer/winter), with compatible systems. SCS-BUS connection - Sizes: 2 modules.

**DIN ACTUATORS**

- **F430R8**
  - actuator with 8 independent relays for the control of on-off valves, motorised valves (open-close and three points), pumps and fan coils with 2 and 4 tubes - 4A resistive, 1A motor valves, pumps and fan-coils - SCS-bus connection - sizes: 4 DIN modules.

- **F430R3V10**
  - actuator with 3 independent relays and 2 x 0-10 Volts outputs for the control of fan coils with 2 and 4 tubes with proportional 0-10 Volt valves - 4A resistive, 1A fan coil - SCS-BUS connection - sizes: 4 DIN modules.

- **F430V10**
  - actuator with 2 x 0-10 Volt outputs for the control of 0-10 proportional valves - SCS-BUS connection - sizes: 2 DIN modules.

- **F430/2**
  - 2 independent relay actuator for the control of on-off valves, (open-close) motor valves and pumps - 6A resistive, 2A motor valves and pumps - SCS-BUS connection - 2 DIN modules.

- **F430/4**
  - 4 independent relay actuator - for the control of on-off valves, (open-close) motor valves, pumps and 2-tube fan coil - 4A resistive, 1A motor valves, pumps and fan-coil - SCS-BUS connection - 2 DIN modules.

**NOTE:**

- White device
- Tech device
- Black device
- Neutral item
### AXOLUTE

**SCS-BUS devices (interface and accessories)**

<table>
<thead>
<tr>
<th>Item</th>
<th>POWER SUPPLIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>E46ADCN</td>
<td>power supply - input 230 V a.c. output 27 V d.c. SELV</td>
</tr>
<tr>
<td></td>
<td>- maximum consumption 300 mA – maximum output current: 1.2 A - DIN rail mounted model - space requirement 8 DIN modules – for flush mounted or wall mounted switchboards</td>
</tr>
<tr>
<td>E49</td>
<td>compact power supply - input 230 V a.c. - output 27 V d.c. - maximum current provided 600 mA - Sizes: 2 DIN modules</td>
</tr>
<tr>
<td>346020</td>
<td>Additional power supply. Provides power for Webserver 2 DIN modules 17.5 mm</td>
</tr>
<tr>
<td>1 467 21</td>
<td>Super-compact power supply, input 230 V a.c. - output 24 V d.c. - maximum current provided 630 mA - Sizes: 1 DIN modules</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>VARIOUS ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>3515</td>
<td>spare removable clamp</td>
</tr>
</tbody>
</table>

| MAGNETIC CONTACTS
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3510</td>
</tr>
<tr>
<td>3510M</td>
</tr>
<tr>
<td>3510PB</td>
</tr>
<tr>
<td>3511</td>
</tr>
<tr>
<td>3512</td>
</tr>
<tr>
<td>3513</td>
</tr>
</tbody>
</table>

| CONTACT INTERFACE
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3477</td>
</tr>
<tr>
<td>F428</td>
</tr>
</tbody>
</table>

**NOTE:** Neutral item
CATALOGUE

AXOLUTE

SCS-BUS devices (accessories)

0 1 2 3 4

GEN 1/1 1/2 1/3 1/4

PUL 1/GEN 1/GR 1/AMB 1/AUX

SLA 1/PUL 1/SLA 1/CEN 1/T

CONNECTED DEVICES

- 3501K/1
- 336904
- L4669
- L4669/500

CONNECTION CABLES

- L4669 specific cable for auxiliary power supply, unshielded, consisting of a grey external sheath and 2 x 0.35 mm² blue and white twisted flexible conductors. Insulation 300/500 V. In compliance with the standards: EN50575, EN60811, EN50289, EN50290, EN60228, EN50265-2-1, EN50395, EN50396 as described in the IMQ CPT 062 document. Cable not suitable for underground installation. Coil length 100 m. Class of reaction to fire according to the CPR regulation: Eca.

- L4669/500 As above, coil length 500 metres

- L4669KM1 As above - reel length 1000 metres

- 336904 specific BUS/SCS cable, unshielded, consisting of a white external sheath and 2 x 0.50 mm² brown and brown/white twisted flexible conductors. Halogen-free Low toxicity cable; ideal for applications where fire safety is particularly critical. Insulation 400 V. In compliance with the standards: EN 50575 EN60811, EN50289, EN50290, EN60228, EN50265-2-1, EN50395, EN50396 as described in the IMQ CPT 062 document. Cable not suitable for underground installation. Coil length 200 m. Class of reaction to fire according to the CPR regulation: Eca-s1b,d1,a1.

- 336905 specific BUS/SCS cable, unshielded, consisting of a white external sheath and 2 x 0.50 mm² brown and brown/white twisted flexible conductors. Halogen-free Low toxicity cable; ideal for applications where fire safety is particularly critical. Insulation 400 V. In compliance with the standards: EN 50575 EN60811, EN50289, EN50290, EN60228, EN50265-2-1, EN50395, EN50396 as described in the IMQ CPT 062 document. Cable not suitable for underground installation. Coil length 200 m. Class of reaction to fire according to the CPR regulation: Ca-s1b,d1,a1.

For more information on the design and installation of the scs-bus solutions see the specific MyHOME technical guide.

www.catalogo-sfogliabile.bticino.it/myhomegb/

NOTE: Neutral item
### AXOLUTE

#### Traditional devices

<table>
<thead>
<tr>
<th>Item</th>
<th>Key Card Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image" alt="H4549" /></td>
<td>Key card switch for the power supply inside the hotel room - slot light with built-in lamp - 30 second switch-off delay - power supply 230 V a.c. - 2 modules - to be completed with front cover in the desired look</td>
</tr>
<tr>
<td><img src="Image" alt="H4548" /></td>
<td>Key card switch for the power supply inside the hotel room with RFID technology recognition - slot light with built-in lamp - 30 second switch-off delay - power supply 230 V a.c. - 2 modules - to be completed with front cover in the desired look</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Lampholder for Off-door Notification</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image" alt="H4372V230H" /></td>
<td>Off-door lampholder with double optical notification: do not disturb and make up room - use 2 LEDs item LN4742V121 (12 V)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Shaver Sockets</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image" alt="HD4177" /></td>
<td>Shaver socket with insulation transformer - input voltage 230 V a.c. 50/60 Hz - output voltage 115/230 V a.c. 20 VA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Pull-Cord Pushbutton</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image" alt="HD4033" /></td>
<td>Cord pushbutton 1 P NO 10 A for bathroom alarm</td>
</tr>
</tbody>
</table>

#### Finishing accessories for SCS-BUS and traditional devices

<table>
<thead>
<tr>
<th>Item</th>
<th>Front Covers for Key Card Switches</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image" alt="HD4547" /></td>
<td>Front cover for traditional or SCS key card switch - 2 modules</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Key Covers with Symbols for SCS Control</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image" alt="HD4915DD" /></td>
<td>“Do not disturb” key covers</td>
</tr>
<tr>
<td><img src="Image" alt="HD4915M2DD" /></td>
<td>“Do not disturb” key covers - 2 modules</td>
</tr>
<tr>
<td><img src="Image" alt="HD4915MR" /></td>
<td>“Make up the room” key covers</td>
</tr>
<tr>
<td><img src="Image" alt="HD4915BL" /></td>
<td>“Room light” key covers</td>
</tr>
<tr>
<td><img src="Image" alt="HD4915M2BL" /></td>
<td>“Room light” key covers - 2 modules</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Key Cover with Symbols for Axial Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image" alt="HD4921BL" /></td>
<td>“Bed light” key covers</td>
</tr>
<tr>
<td><img src="Image" alt="HD4921M2BL" /></td>
<td>“Bed light” key covers - 2 modules</td>
</tr>
<tr>
<td><img src="Image" alt="HD49211DD" /></td>
<td>“Do not disturb” key covers</td>
</tr>
<tr>
<td><img src="Image" alt="HD49211MR" /></td>
<td>“Make up the room” key covers</td>
</tr>
</tbody>
</table>

NOTE: □ White device □ Tech device □ Anthracite device □ Neutral item

RJ45, audio and video sockets and the other devices, consult the Axolute catalogue.
**AXOLUTE**  
**USB chargers and lighting devices**

### USB CHARGER

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD4285C1</td>
<td>5 Vdc USB charger only for charging electronic devices up to 1,100 mA like mobile phones, smartphones, tablets and similar – 110-230 V 50-60 Hz DIRECT power supply</td>
</tr>
<tr>
<td>HC4285C1</td>
<td></td>
</tr>
<tr>
<td>HS4285C1</td>
<td></td>
</tr>
<tr>
<td>HD4285C2</td>
<td>5 Vdc USB charger for quick charge of one single electronic device (mobile phones, smartphones, tablets or similar) up to 2,400 mA or simultaneous charging of two devices up to 1.200 mA – 110-230 Va.c. DIRECT power supply 50-60 Hz</td>
</tr>
<tr>
<td>HC4285C2</td>
<td></td>
</tr>
<tr>
<td>HS4285C2</td>
<td></td>
</tr>
</tbody>
</table>

**INDUCTION AND USB CHARGER**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H4285CW2</td>
<td>allows the quick and wireless charging of smartphones with induction receiver. Suitable for the bed head, sideboards, desks and work areas. Compliant with WPC Qi (World Power consortium) and EN 62479 (EF emissions) standards. Meets the electromagnetic field safety requirements and does not cause disturbance to other radio emissions (Zigbee TNT, GSM 4G, ...). It has 2 50x80 mm aerials for quick coupling of the smartphone. The antislip support surface is inclined by 10°. Antitheft “lock” function. Energy performance &gt;85%. It has a 2,400 mA type A USB port to supply a second device. 12 W. Size 136.5 x 70 x 56.5 mm</td>
</tr>
</tbody>
</table>

### SWIVEL 360° SPOT LAMP

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H4360</td>
<td>it is installed above a work place (kitchen, bedroom, desk ...) - Can be oriented by 360° for best lighting of the zone required – It can be controlled by a standard switch or an electronic switch without neutral – LED lamp – Consumption 2.8 W – Luminous flux 70 lumen – Life: Approx. 50,000 hours - supplied with neutral base and front cover plates in white, Tech, anthracite colours - 2 modules</td>
</tr>
</tbody>
</table>

### DIRECTIONAL LAMP

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H4361</td>
<td>allows you to create directional and decorative lighting. We recommend installation at 30 cm from the floor – It can be controlled by a standard switch or an electronic switch without neutral, by a dimmer or an automatic switch with neutral – LED lamp – Consumption 2.2 W – Luminous flux 70 lumen – Life: Approx. 50,000 hours - supplied with neutral base and front cover plates in white, Tech, anthracite colours - 2 modules</td>
</tr>
</tbody>
</table>

### DIMMER READING LAMP

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD4362</td>
<td>it is installed at the bedhead giving directional lighting. It has a flexible arm so that the lighting arm can be directed. The brightness can be dimmed by pressing the integrated ON/OFF control for a long time. It can also be connected to a remote control and, if necessary, the integrated control can be disabled with a 30 sec. press - LED -lamp - Consumption 3 W - Luminous flux 110 lumen (equivalent to 15 W incandescence) - Life 40,000 hours - 1 (flush mounted) module</td>
</tr>
<tr>
<td>HC4362</td>
<td></td>
</tr>
<tr>
<td>HS4362</td>
<td></td>
</tr>
</tbody>
</table>

### NOTE:

- the photographs of the REMOVABLE TORCH, SWIVEL 360° SPOT LAMP AND DIRECTIONAL LAMP, represent the product code indicated, to which one of the three front cover plates (white, Tech or anthracite) available in the package is already fitted.

### STEP MARKER LAMP

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H4382V12V24</td>
<td>step marker lamp with white light LEDs - 12 - 24 Va.c. - on-off switch: 0.6 W at 12 Va.c. - 0.8 W at 24 Va.c.</td>
</tr>
<tr>
<td>H4382/230</td>
<td>step marker lamp with white light LEDs - 230 Va.c. - on-off switch: 0.5 W</td>
</tr>
</tbody>
</table>

### NOTE:

- White device
- Tech device
- Anthracite device
- Neutral item
AXOLUTE
Room insulation remote switch

The contactors must be used in the system to switch off some loads or devices in the room when the guest is not present (key card not in the switch).

### Item AC3 CONTACTORS

<table>
<thead>
<tr>
<th>Item</th>
<th>In = 25A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vn (Vac)</td>
<td>In (A)</td>
</tr>
<tr>
<td>FT1AC2N24</td>
<td>24</td>
</tr>
<tr>
<td>FT1A2N24</td>
<td>25</td>
</tr>
<tr>
<td>FT2A4N24</td>
<td>4 NO</td>
</tr>
<tr>
<td>FT1AC1N230</td>
<td>230</td>
</tr>
<tr>
<td>FT1A2N230</td>
<td>2 NO</td>
</tr>
<tr>
<td>FT2A3N230</td>
<td>3 NO</td>
</tr>
<tr>
<td>FT2A4N230</td>
<td>4 NO</td>
</tr>
<tr>
<td>FT2AC2N230</td>
<td>2 NO+2NC</td>
</tr>
<tr>
<td>FT1C2N230</td>
<td>2 NC</td>
</tr>
<tr>
<td>FT2C4N230</td>
<td>4 NC</td>
</tr>
</tbody>
</table>

### Item AC7A CONTACTORS

<table>
<thead>
<tr>
<th>Item</th>
<th>Vn (Vac)</th>
<th>In (A)</th>
<th>Contact</th>
<th>No. of modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT1A2N24M</td>
<td>24</td>
<td>2 NO</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>FT1A1N230M</td>
<td>230</td>
<td>1 NO</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>FT1A2N230M</td>
<td>2 NO</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FT2A4N230M</td>
<td>4 NO</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FC2A4/24N</td>
<td>24</td>
<td>2 NO</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>FC4A4/24N</td>
<td>40</td>
<td>4 NO</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FC4A6/24N</td>
<td>63</td>
<td>4 NO</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FC2A4/230N</td>
<td>230</td>
<td>2 NO</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>FC3A4/230N</td>
<td>40</td>
<td>3 NO</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FC4A4/230N</td>
<td>4 NO</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FC4A6/230N</td>
<td>63</td>
<td>4 NO</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### SILENT

<table>
<thead>
<tr>
<th>Item</th>
<th>Vn (Vac)</th>
<th>In (A)</th>
<th>Contact</th>
<th>No. of modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT1A1N24S</td>
<td>24</td>
<td>2 NO</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>FT1A2N24S</td>
<td>25</td>
<td>1 NO</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>FT1A1N230S</td>
<td>230</td>
<td>1 NO</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>FT1A2N230S</td>
<td>2 NO</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TECHNICAL FEATURES

- Reference standards: CEI EN 61095
- Rated pulse voltage Uimp (kV): 4
- Rated reelt voltage Vn (Vac): 24 or 230
- Rated insulating voltage Ui (Vac): 500
- Rated current In (A) at 30°C: 25-40-63
- Conditioned short-circuit current (kA): 3
- Rated frequency (Hz): 50/60
- Operating temperature (°C): -25 to 40
- Max No. of mechanical manoeuvres: 1000000
- Power consumption for each pole (W): 1.5
- Protection index (terminal area/other areas): IP20/IP40
- Maximum section of connectable flexible/rigid cable (mm²): see table
**AXOLUTE**

**Dimensional data**

### AXOLUTE AIR COVER PLATES

<table>
<thead>
<tr>
<th>No. of modules</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>17.5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>2</td>
<td>35</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>3</td>
<td>52.5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>4</td>
<td>70</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>5</td>
<td>87.5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>6</td>
<td>105</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>7</td>
<td>122.5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>8</td>
<td>140</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>9</td>
<td>157.5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>10</td>
<td>175</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>12</td>
<td>210</td>
<td>82</td>
<td>66</td>
</tr>
</tbody>
</table>

### AXOLUTE RECTANGULAR COVER PLATES

### AXOLUTE ELLIPTICAL COVER PLATES

### MODULAR DEVICES

1 module: 22.5
2 modules: 45
3 modules: 67.5

### BASIC INTERFACE MODULE

3475 · 3476 · 3477
A complete offer

for a state of the art electric system inside the whole welcoming establishment and in particular inside the hotel room. All this to ensure that customers feel immediately at ease. The offer includes both standard traditional functions, and more advanced functions.

DESIGNED TO ENHANCE CUSTOMER COMFORT

A solution for all types of hotels

EQUIPMENT INCLUDING SPECIFIC PRODUCTS
for the SCS-BUS room

The BTicino offer for the rooms, and in wider terms for the whole hotel establishment, includes many more devices that are normally also used for other applications.

Request or view the Livinglight catalogue
# Catalogue

## LivingLight

SCS-BUS devices (specific for the hotel)

### Control Indicators for Room Management

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LN4650</td>
<td>DO NOT DISTURB – MAKE UP THE ROOM indicator and bell pushbutton - SCS-BUS connection - sizes: 2 modules - to be completed with front cover in the desired look</td>
</tr>
<tr>
<td>LN4651</td>
<td>key card reader in RFID technology + DO NOT DISTURB – MAKE UP THE ROOM indicator and bell pushbutton - SCS-BUS connection - sizes: 2 modules</td>
</tr>
<tr>
<td>LN4653</td>
<td>DO NOT DISTURB – MAKE UP THE ROOM control to be completed with key covers - SCS-BUS connection - sizes: 2 modules</td>
</tr>
</tbody>
</table>

### Key Cards and Key Card Programmer

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3547</td>
<td>credit card key card (ISO 50x80 mm). It uses transponder technology Mifare classic ISO14443 type A. To be used together with the key card programmer, item code 348402. The key card can be customised and is sold in lots of 5 pieces.</td>
</tr>
<tr>
<td>348402</td>
<td>Table-top key card programmer to be connected to the PC in the reception.</td>
</tr>
</tbody>
</table>

### Key Card Switches

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LN4649</td>
<td>key card switch for function activation in the hotel room - slot light with built-in lamp - SCS-BUS connection - sizes: 2 modules - to be completed with front cover in the desired look</td>
</tr>
<tr>
<td>LN4648</td>
<td>key card switch for function activation in the hotel room with RFID technology recognition - slot light with built-in lamp - SCS-BUS connection - sizes: 2 modules - to be completed with front cover in the desired look</td>
</tr>
</tbody>
</table>

### Note: Neutral Item

---

To request integration with PMS which use FIAS protocol (e.g. Fidelio) contact the agency.

NOTE: Neutral item
### LIVINGLIGHT

SCS-BUS devices (lights and automation)

<table>
<thead>
<tr>
<th>Item</th>
<th>CONTROLS</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>○ L4651M2</td>
<td>special control – can drive an actuator performing all the standard functions of a control and in addition some special functions: activation of 4 scenarios saved in module item F420, timings, activation of an actuator installed on a different bus than the control, selection of the fixed adjustment level and the dimmer soft-start and soft-stop speed, sound system, door lock switching on control, call to the floor and switching on staircase light control and management of auxiliary channels. To be completed with 1 or 2-module key covers with one or two functions - 2 modules</td>
<td>○ LN4660M2</td>
</tr>
<tr>
<td>○ L4652/2</td>
<td>control which can drive a single actuator for single or double loads or two actuators for single loads or independent double loads – to be completed with 1 2-module key cover for controls with one or two functions or 2 1-module key covers with one or two functions - 2 modules</td>
<td>○ L680</td>
</tr>
<tr>
<td>○ L4652/3</td>
<td>control which can drive three actuators for single or double loads or two actuators for single loads or independent double loads – to be completed with 3 1-module key covers for controls with one or two functions - 3 modules</td>
<td>■ N4680</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ NT4680</td>
</tr>
<tr>
<td></td>
<td></td>
<td>○ LN4652</td>
</tr>
<tr>
<td></td>
<td></td>
<td>○ 3541</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ 3542</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SCENARIO CONTROL

- **LN4680**
- **N4680**
- **NT4680**

Customisable scenario control to control 4 independent "room situations" - 2 modules

- **LN4652**

8-KEY control for light management, rolling shutter automation, sound system and scenarios - SCS-BUS connection - sizes: 2 modules

- **3541**

AS sheets for the customisation of the symbols of item LN4652

- 3541 = black;
- 3542 = white;

The sheets can be customised using the tool found in the [MyHOTEL_Suite configuration software](#).

---

**NOTE:**
- White device
- Tech device
- Anthracite device
- Neutral item
CATALOGUE

LIVINGLIGHT
SCS-BUS devices (lights and automation)

**ACTUATORS AND FLUSH MOUNTED ACTUATORS/ DIMMERS**

- **LN4672M2** actuator/control with 2 independent relays - for single, double or mixed loads: 1380 W resistive, 1380 W incandescence lamps, 460 W for reducer motors, 460 VA cosφ 0.5 for ferromagnetic transformers and 250 W for fluorescent lamps - logic relay interlock via configuration. The device can be also configured to manage a remote actuator - 2 modules.

**LOADS THAT CAN BE DRIVEN (230 Va.c. 50/60 Hz)**

<table>
<thead>
<tr>
<th>Actuators</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy saving incandescence and halogen lamps</td>
<td>LED lamps</td>
</tr>
<tr>
<td>LN4672M2</td>
<td>1380 W</td>
</tr>
<tr>
<td>3475 3476</td>
<td>3 A 460 W</td>
</tr>
<tr>
<td>LN4661M2 F401</td>
<td>-</td>
</tr>
</tbody>
</table>

**ACTUATORS FOR ROLLING SHUTTER MANAGEMENT**

- **LN4661M2** flush-mounted 2-module actuator with 2 internal relays and 4 pushbuttons made to work with the LN4660M2 control devices to manage the rolling shutters. In addition to monostable and bistable UP/DOWN operation, the actuator also places the rolling shutter in a stored (PRESET) position.

- **F401** as above - with 3 pushbuttons - 2 DIN modules

**NOTE:** Neutral item

---

1) Power factor corrected fluorescent lamps, discharge lamps.
2) Account must be taken of the transformer yield to calculate the effective power of the load connected to the actuator. For example if a dimmer is connected to a 100 VA ferromagnetic transformer with yield 0.8, the effective power of the load will be 125 VA.
3) The transformer must be loaded at its rated power and however never less than 90% of this power. It is preferable to use a single transformer rather than several transformers in parallel. For example it is better to use a single 250 VA transformer with 5 50 W spotlights connected rather than use 5 50 VA transformers in parallel each with a 50 W spotlight.
4) The symbol on the actuators refers to the rolling shutter reducer motors.
LIVINGLIGHT  
SCS-BUS devices (lights and automation)

ACTUATORS FOR CENTRALISATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Actuator Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F411U1</td>
<td>Actuator with 1 two-way relay – for single loads: 16 A resistive, 10 A incandescence lamps, 4 A cos(\phi) 0.5 for ferromagnetic transformers and 4 A for fluorescent lamps - it has “Zero crossing” technology - 2 DIN modules</td>
</tr>
<tr>
<td>F411U2</td>
<td>Actuator with 2 independent relays – for single and double loads: 10 A resistive and 6 A incandescence lamps, 500 W for reducer motors, 2 A cos(\phi) 0.5 for ferromagnetic transformers and 250 W for fluorescent lamps - logic relay interlock via configuration - it has “Zero crossing” technology - 2 DIN modules</td>
</tr>
<tr>
<td>F411/4</td>
<td>Actuator with 4 independent relays - for single, double or mixed loads: 2 A resistive, 2 A incandescence lamps, 500 W for reducer motors, 2 A cos(\phi) 0.5 for ferromagnetic transformers and 70 W for fluorescent lamps - logic relay interlock via configuration - 2 DIN modules</td>
</tr>
<tr>
<td>F411/1NC</td>
<td>Actuator with 1 two-way NC relay for single loads 16 A resistive, 10 A for incandescence lamps and 4 A for fluorescent lamps. On switching on the device always has the contact closed (ON status) and the contact is opened with an OFF command. In this way there would be no voltage from the BUS, the device would remain in the ON state, keeping the load on – 2 DIN modules</td>
</tr>
</tbody>
</table>

BMSW1003
ON/OFF actuator, 4 independent outputs with maximum load 16 A at 230 V a.c., clamp connection and RJ45, IP20 protection index, power supply 100/240 V a.c. 50/60 Hz, pushbuttons for load direct control - zero-crossing function - 6 DIN modules

BMSW1005
ON/OFF actuator, “Zero Crossing” technology, 8 independent outputs with maximum load 16 A at 230 V a.c., clamp connection, IP20 protection index, power supply 100/240 V a.c. 50/60 Hz, pushbuttons for load direct control - 10 DIN modules

LOADS THAT CAN BE DRIVEN (250 V a.c. 50/60 Hz)

<table>
<thead>
<tr>
<th>Actuators/Actuators Type</th>
<th>Energy saving incandescence and halogen lamps</th>
<th>LED lamps</th>
<th>Linear fluorescent lamps</th>
<th>Compact fluorescent lamps</th>
<th>Electronic transformers</th>
<th>Ferromagnetic transformers</th>
<th>Reducer motors for rolling shutters</th>
</tr>
</thead>
<tbody>
<tr>
<td>F411U1</td>
<td>10 A 2300 W</td>
<td>500 W</td>
<td>4 A 920 W</td>
<td>500 W Max 10 lamps</td>
<td>4 A 920 W</td>
<td>4 A cos(\phi) 0.5 920 VA</td>
<td>-</td>
</tr>
<tr>
<td>F411U2</td>
<td>10 A 1380 W</td>
<td>250 W</td>
<td>4 A 230 W</td>
<td>250 W Max 4 lamps</td>
<td>4 A 230 W</td>
<td>4 A cos(\phi) 0.5 460 VA</td>
<td>2 A 460 W</td>
</tr>
<tr>
<td>F411/4</td>
<td>2 A 460 W</td>
<td>70 W</td>
<td>0.3 A 70 W</td>
<td>70 W Max 2 lamps</td>
<td>0.3 A 70 W</td>
<td>2 A cos(\phi) 0.5 460 VA</td>
<td>2 A 460 W</td>
</tr>
<tr>
<td>F411/1NC</td>
<td>10 A 2300 W</td>
<td>500 W</td>
<td>4 A 920 W</td>
<td>500 W Max 10 lamps</td>
<td>4 A 920 W</td>
<td>4 A cos(\phi) 0.5 920 VA</td>
<td>-</td>
</tr>
<tr>
<td>BMSW1003</td>
<td>16 A 3680 W</td>
<td>2.1 A</td>
<td>10 X (2 X 36 W)</td>
<td>1150 W</td>
<td>5 A</td>
<td>16 A 3680 W</td>
<td>16 A 3680 W</td>
</tr>
<tr>
<td>BMSW1005</td>
<td>16 A 3680 W</td>
<td>2.1 A</td>
<td>10X2X36 W</td>
<td>1150 VA</td>
<td>5 A</td>
<td>16 A 3680 W</td>
<td>16 A 3680 W</td>
</tr>
</tbody>
</table>

Notes:
1) Power factor corrected fluorescent lamps, discharge lamps.
2) Account must be taken of the transformer yield to calculate the effective power of the load connected to the actuator. For example if a dimmer is connected to a 100 VA ferromagnetic transformer with yield 0.8, the effective power of the load will be 125 VA.
3) The transformer must be loaded at its rated power and however never less than 90% of this power. It is preferable to use a single transformer rather than several transformers in parallel. For example it is better to use a single 250 VA transformer with 5 50W spotlights connected rather than use 5 50 VA transformers in parallel each with a 50 W spotlight.
4) The \(\circ\) symbol on the actuators refers to the rolling shutter reducers motors.

NOTE: \(\circ\) Neutral item
CATALOGUE

LIVINGLIGHT

SCS-BUS devices (lights and automation)

**DIMMERS FOR CENTRALISATIONS**

- **F413N**
  - 1-output dimmer to supply fluorescent lamps or LED sources with input 1-10 V for single loads up to 2.5 A at 230 V a.c. type of screw connection - power supply 1-10 V a.c. - max 10 ballast that can be connected (clamps 1-2) with pushbutton for load direct control - version for fastening on DIN rail - 2 modules

- **BMDI1002**
  - 1/10V dimmer, “Zero Crossing” technology, 4 outputs with maximum load 4.3 A at 230 V a.c., clamp connection, IP20 protection index, power supply 100/240 V a.c. 50/60 Hz, pushbuttons for load direct control - 10 DIN modules

- **F414**
  - 1-output dimmer to supply incandescent and halogen lamps with ferromagnetic transformer - power supply 27 V d.c. - absorption 9 mA - with pushbutton for load direct control - version for fastening on DIN rail - 4 modules

- **F429**
  - DALI dimmer with 8 independent outputs for the connection of up to 16 DALI reactors for each output – 230 V a.c. power supply 50/60 Hz; 110 - 240 V d.c. – absorption 5 mA - with pushbutton for load direct control - version for fastening on DIN rail - 6 modules

**LOADS THAT CAN BE DRIVEN (250 V a.c. 50/60 Hz)**

<table>
<thead>
<tr>
<th>Actuators</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy saving incandescent and halogen lamps</td>
<td>LED lamps</td>
</tr>
<tr>
<td>BMDI1002</td>
<td>Dimmer per ballast - 4 x 4,3 A</td>
</tr>
<tr>
<td>F413N</td>
<td>-</td>
</tr>
<tr>
<td>F414</td>
<td>0.25 - 4.3 A</td>
</tr>
<tr>
<td>F416U1</td>
<td>4.3 A</td>
</tr>
<tr>
<td>F417U2</td>
<td>1.7 A</td>
</tr>
<tr>
<td>F418</td>
<td>1–300 W</td>
</tr>
<tr>
<td>F418U2</td>
<td>2x300 W</td>
</tr>
<tr>
<td>F429</td>
<td>SCS/DALI dimmer interface - 8 x 16 ballast</td>
</tr>
</tbody>
</table>

**Notes:**

1) Power factor corrected fluorescent lamps, discharge lamps. 2) Account must be taken of the transformer yield to calculate the effective power of the load connected to the actuator. For example if a dimmer is connected to a 100 VA ferromagnetic transformer with yield 0.8, the effective power of the load will be 125 VA. 3) The transformer must be loaded at its rated power and however never less than 90% of this power. It is preferable to use a single transformer rather than several transformers in parallel. For example it is better to use a single 250 VA transformer with 5 50W spotlights connected rather than use 5 50 VA transformers in parallel each with a 50 W spotlight. 4) The symbol on the actuators refers to the rolling shutter reducer motors. 5) Only compatible with lamps with 1/10 V ballast.

**NOTE:** ○ Neutral item
LIVINGLIGHT
SCS-BUS devices (temperature control)

<table>
<thead>
<tr>
<th>Item</th>
<th>THERMOSTAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ LN4691</td>
<td>flush mounted thermostat with backlit display. It can be used to control the temperature of an individual zone, irrespective of a temperature control central unit being installed as part of the system or not. It features a temperature probe and an input for the connection of a contact line (e.g. window contact). It can be used for the management of different types of systems, and the adjustment of the fan speed when fan coils are used. Possibility of automatic operation (summer/ winter), with compatible systems. SCS-BUS connection - Sizes: 2 modules.</td>
</tr>
<tr>
<td>□ FL4654</td>
<td>Digital temperature probe with backlit display in Touch technology with black cover plate finishing, in plastic material. It controls the temperature of an individual zone. It has a temperature and humidity probe and an input for the connection of a contact line (e.g. window contact). It can be used for the management of different types of systems, and the adjustment of the fan speed when Fan Coils are used. Possibility of automatic operation (summer/ winter), with compatible systems. SCS-BUS connection - Sizes: 3 modules.</td>
</tr>
<tr>
<td>☐ FL4554W</td>
<td>Digital temperature probe with backlit display in Touch technology with white cover plate finishing. Same features of the FL4653.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>DIN ACTUATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ F430R8</td>
<td>Actuator with 8 independent relays for the control of on-off valves, motorised valves (open-close and three points), pumps and fan coils with 2 and 4 tubes - 4A resistive, 1A motor valves, pumps and fan-coils - SCS-BUS connection - sizes: 4 DIN modules</td>
</tr>
<tr>
<td>☐ F430R3V10</td>
<td>Actuator with 3 independent relays and 2 x 0-10 Volts outputs for the control of fan coils with 2 and 4 tubes with proportional 0-10 Volt valves - 4A resistive, 1A fan coil - SCS-BUS connection - sizes: 4 DIN modules</td>
</tr>
<tr>
<td>☐ F430V10</td>
<td>Actuator with 2 x 0-10 Volt outputs for the control of 0-10 proportional valves - SCS-BUS connection - sizes: 2 DIN modules</td>
</tr>
<tr>
<td>☐ F430/2</td>
<td>2 independent relay actuator for the control of on-off valves, (open-close) motor valves and pumps - 6A resistive, 2A motor valves and pumps - SCS-BUS connection - 2 DIN modules</td>
</tr>
<tr>
<td>☐ F430/4</td>
<td>4 independent relay actuator - for the control of on-off valves, (open-close) motor valves, pumps and 2-tube fan coil - 4A resistive, 1A motor valves, pumps and fan-coil - SCS-BUS connection - 2 DIN modules</td>
</tr>
</tbody>
</table>

NOTE: ☐ White device □ Tech device ■ Anthracite device ○ Neutral item
# CATALOGUE

## LIVINGLIGHT

**SCS-BUS devices (interface and accessories)**

<table>
<thead>
<tr>
<th>Item</th>
<th><strong>POWER SUPPLIES</strong></th>
<th></th>
<th><strong>VARIOUS ACCESSORIES</strong></th>
<th></th>
<th><strong>MAGNETIC CONTACTS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>E46ADCN</td>
<td>power supply - input 230 V a.c. output 27 V d.c. SELV – maximum consumption 300 mA – maximum output current: 1.2 A - DIN rail mounted model - space requirement 8 DIN modules – for flush mounted or wall mounted switchboards</td>
<td></td>
<td>3515</td>
<td>spare removable clamp</td>
<td></td>
</tr>
<tr>
<td>E49</td>
<td>compact power supply - input 230 V a.c. - output 27 V d.c. - maximum current provided 600 mA - Sizes: 2 DIN modules</td>
<td></td>
<td>3510</td>
<td>NC electromagnetic contact interface detectors and protection line - flush mounted version</td>
<td></td>
</tr>
<tr>
<td>346020</td>
<td>Additional power supply. Provides power for Webserver 2 DIN modules 17.5 mm</td>
<td></td>
<td>3510M</td>
<td>NC electromagnetic contact interface detectors and protection line – made of brass with high mechanical resistance, for installation in non ferromagnetic material windows and doors, or in low section doors and windows</td>
<td></td>
</tr>
<tr>
<td>1 467 21</td>
<td>super-compact power supply, input 230 V a.c. - output 24 V d.c. - maximum current provided 630 mA - Sizes: 1 DIN modules</td>
<td></td>
<td>3510PB</td>
<td>Electromagnetic sensors with NC contact and protection line – brass version with high mechanical resistance for mounting in all types of door lock and in reinforced doors.</td>
<td></td>
</tr>
<tr>
<td>3477</td>
<td>basic module control interface with 2 independent contacts for the control of 2 actuators for single function loads, or 1 actuator for double function loads (shutters) – the inputs accepts two traditional switches or pushbuttons with NO and NC contact, or a traditional two-way switch, or interlocked pushbuttons</td>
<td></td>
<td>3511</td>
<td>NC electromagnetic contact interface detectors and protection line - visible mounted version</td>
<td></td>
</tr>
<tr>
<td>F428</td>
<td>basic module control interface with 2 independent contacts for the control of 2 actuators for single function loads, or 1 actuator for double function loads (shutters) – the inputs accepts two traditional switches or pushbuttons with NO and NC contact, or a traditional two-way switch, or interlocked pushbuttons - 2 DIN modules</td>
<td></td>
<td>3512</td>
<td>NC electromagnetic contact interface detectors and protection line – made of die cast aluminium, for installation on tilting or sliding doors. preset for floor installation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3513</td>
<td>NC electromagnetic contact interface detectors and protection line - version for visible installation on metal surfaces</td>
<td></td>
</tr>
</tbody>
</table>
**LIVINGLIGHT**

**SCS-BUS devices (accessories)**

<table>
<thead>
<tr>
<th>Item</th>
<th>CONFIGURATORS – SINGLE-TYPE PACKAGE OF 10 PIECES</th>
</tr>
</thead>
<tbody>
<tr>
<td>3501/0</td>
<td>configurator 0</td>
</tr>
<tr>
<td>3501/1</td>
<td>configurator 1</td>
</tr>
<tr>
<td>3501/2</td>
<td>configurator 2</td>
</tr>
<tr>
<td>3501/3</td>
<td>configurator 3</td>
</tr>
<tr>
<td>3501/4</td>
<td>configurator 4</td>
</tr>
<tr>
<td>3501/5</td>
<td>configurator 5</td>
</tr>
<tr>
<td>3501/6</td>
<td>configurator 6</td>
</tr>
<tr>
<td>3501/7</td>
<td>configurator 7</td>
</tr>
<tr>
<td>3501/8</td>
<td>configurator 8</td>
</tr>
<tr>
<td>3501/9</td>
<td>configurator 9</td>
</tr>
<tr>
<td>3501/GEN</td>
<td>configurator GEN</td>
</tr>
<tr>
<td>3501/GR</td>
<td>configurator GR</td>
</tr>
<tr>
<td>3501/AMB</td>
<td>configurator AMB</td>
</tr>
<tr>
<td>3501/AUX</td>
<td>configurator AUX</td>
</tr>
<tr>
<td>3501/ON</td>
<td>configurator ON</td>
</tr>
<tr>
<td>3501/OFF</td>
<td>configurator OFF</td>
</tr>
<tr>
<td>3501/OI</td>
<td>configurator OI</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>CONFIGURATORS – SINGLE-TYPE PACKAGE OF 10 PIECES</th>
</tr>
</thead>
<tbody>
<tr>
<td>3501/PUL</td>
<td>configurator PUL</td>
</tr>
<tr>
<td>3501/SLA</td>
<td>configurator SLA</td>
</tr>
<tr>
<td>3501/CEN</td>
<td>configurator CEN</td>
</tr>
<tr>
<td>3501/T</td>
<td>configurator T</td>
</tr>
<tr>
<td>3501/TM</td>
<td>configurator TM</td>
</tr>
</tbody>
</table>


www.catalogo-sfogliabile.bticino.it/myhomegb/

**NOTE:** Neutral item

<table>
<thead>
<tr>
<th>Item</th>
<th>CONFIGURATOR KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3501K</td>
<td>configurator kit from No. 0 to No. 9</td>
</tr>
<tr>
<td>3501K/1</td>
<td>Kit of configurators AUX, GEN, GR, AMB, ON, OFF, O/I, PUL, SLA, CEN, Y, Y M</td>
</tr>
</tbody>
</table>

**CONNECTION CABLES**

**L4669**

Specific cable for auxiliary power supply, unshielded, consisting of a grey external sheath and 2 x 0.35 mm² blue and white twisted flexible conductors. Insulation 300/500 V. In compliance with the standards: EN 50575, EN 60811, EN 50289, EN 50290, EN 60228, EN 50265-2-1, EN 50395, EN 50396 as described in the IMQ CPT 062 document. Cable not suitable for underground installation. Coil length 100 m. Class of reaction to fire according to the CPR regulation: Eca.

<table>
<thead>
<tr>
<th>Item</th>
<th>CONFIGURATOR KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>L4669/500</td>
<td>as above, coil length 500 metres</td>
</tr>
<tr>
<td>L4669K/1000</td>
<td>as above - reel length 1000 metres</td>
</tr>
<tr>
<td>336904</td>
<td>specific BUS/SCS cable, unshielded, consisting of a white external sheath and 2 x 0.50 mm² brown and brown/white twisted flexible conductors. Halogen-free Low toxicity cable; ideal for applications where fire safety is particularly critical. Insulation 400 V. In compliance with the standards: EN 50575, EN 60811, EN 50289, EN 50290, EN 60228, EN 50265-2-1, EN 50395, EN 50396 as described in the IMQ CPT 062 document. Cable not suitable for underground installation. Coil length 200 m. Class of reaction to fire according to the CPR regulation: Eca.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>CONFIGURATOR KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>336905</td>
<td>specific BUS/SCS cable, unshielded, consisting of a white external sheath and 2 x 0.50 mm² brown and brown/white twisted flexible conductors. Halogen-free Low toxicity cable; ideal for applications where fire safety is particularly critical. Insulation 400 V. In compliance with the standards: EN 50575, EN 60811, EN 50289, EN 50290, EN 60228, EN 50265-2-1, EN 50395, EN 50396 as described in the IMQ CPT 062 document. Cable not suitable for underground installation. Coil length 200 m. Class of reaction to fire according to the CPR regulation: Cca-s1b,d1,a1.</td>
</tr>
</tbody>
</table>
CATALOGUE

LIVINGLIGHT

Traditional devices

Item | KEY CARD SWITCH
--- | ---
LN4549 | key card switch for the power supply inside the hotel room - slot light with built-in lamp - 30 second switch-off delay - power supply 230 V a.c. - 2 modules - to be completed with front cover in the desired look
LN4548 | key card switch for the power supply inside the hotel room with RFID technology recognition - slot light with built-in lamp - 30 second switch-off delay - power supply 230 V a.c. - 2 modules - to be completed with front cover in the desired look

Item | LAMPHOLDER FOR OFF-DOOR NOTIFICATION
--- | ---
N4373H | off-door lampholder with double optical notification: do not disturb and make up room – use 2 LEDs item LN4742V12T (12V)
NT4373H |
L4373H |

Item | SHAVER SOCKETS
--- | ---
N4177* | shaver socket with insulation transformer - input voltage 230 V a.c. 50/60 Hz - output voltage 115/230 V a.c. 20 VA
NT4177* |
L4177* | * NOTE: In case of installation using AIR cover plates, the box extension must be used to make wiring easier

Item | PULL-CORD PUSHBUTTON
--- | ---
N4033 | cord pushbutton 1 P NO 10 A for bathroom alarm
NT4033 |
L4033 |

Finishing accessories for SCS and traditional devices

Item | FRONT COVERS FOR KEY CARD SWITCHES
--- | ---
N4547 | front cover for traditional or SCS key card switch - 2 modules
NT4547 |
L4547 |

Item | KEY COVERS WITH SYMBOLS FOR SCS CONTROL
--- | ---
N4915DD | key cover for rocker control devices with "do not disturb" symbol
NT4915DD |
L4915DD |

Item | KEY COVERS THAT CAN BE CUSTOMISED AND KIT OF DIFFUSERS
--- | ---
N4915TN | key cover for rocker control devices that can be customised with lightable diffuser
NT4915TN |
L4915TN |
N4915SETBL | kit of 50 lightable diffusers with bed light symbol
NT4915SETBL |
L4915SETBL |

NOTE: White device Tech device Anthracite device Neutral item

RJ45, audio and video sockets and the other devices, consult the Livinglight catalogue
LIVINGLIGHT
USB chargers and lighting devices

<table>
<thead>
<tr>
<th>Item</th>
<th>USB CHARGER</th>
<th>SWIVEL 360° SPOT LAMP</th>
<th>DIRECTIONAL LAMP</th>
<th>DIMMER READING LAMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4285C1</td>
<td>5 Vdc USB charger only for charging electronic devices up to 1,100 mA like mobile phones, smartphones, tablets and similar — 110-230 V 50-60 Hz DIRECT power supply</td>
<td>it is installed above a work place (kitchen, bedroom, desk ...) - Can be oriented by 360° for best lighting of the zone required - It can be controlled by a standard switch or an electronic switch without neutral, by a dimmer or an automatic switch with neutral – LED lamp — Consumption 2.8 W — Luminous flux 70 lumen — Life: Approx. 50,000 hours - supplied with neutral base and front cover plates in white, Tech, anthracite colours - 2 modules</td>
<td>allows you to create directional and decorative lighting. We recommend installation at 30 cm from the floor – It can be controlled by a standard switch or an electronic switch without neutral, by a dimmer or an automatic switch with neutral – LED lamp — Consumption 2.2 W — Luminous flux 70 lumen — Life: Approx. 50,000 hours - supplied with neutral base and front cover plates in white, Tech, anthracite colours - 2 modules</td>
<td>it is installed at the bedhead giving directional lighting. It has a flexible arm so that the lighting arm can be directed. The brightness can be dimmed by pressing the integrated ON/OFF control for a long time. It can also be connected to a remote control and, if necessary, the integrated control can be disabled with a 30 sec. press - LED -lamp - Consumption 3 W - Luminous flux 110 lumen (equivalent to 15 W incandescence) - Life 40,000 hours - 1 (flush mounted) module.</td>
</tr>
<tr>
<td>NT4285C1</td>
<td></td>
<td></td>
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<tr>
<td>L4285C1</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>N4285C2</td>
<td>5 Vdc USB charger for quick charge of one single electronic device (mobile phones, smartphones, tablets or similar) up to 2,400 mA or simultaneous charging of two devices up to 1,200 mA — 110-230 Va.c. DIRECT power supply</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>NT4285C2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L4285C2</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>LN4285CW2</td>
<td>allows the quick and wireless charging of smartphones with induction receiver. Suitable for the bed head, sideboards, desks and work areas. Compliant with WPC QI (World Power consortium) and EN 62479 (EF emissions) standards Meets the electromagnetic field safety requirements and does not cause disturbance to other radio emissions (Zigbee TNT, GSM 4G, ...). It has 2 50x80 mm aerials for quick coupling of the smartphone. The antislip support surface is inclined by 10°. Antitheft “lock” function. Energy performance &gt;85%. It has a 2,400 mA type A USB port to supply a second device. 12 W. Size 136.5 x 70 x 56.5 mm</td>
<td></td>
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<tr>
<td>LN4360</td>
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<td></td>
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<tr>
<td>LN4361</td>
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<td></td>
</tr>
<tr>
<td>L4362</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L4382V12V24</td>
<td>step marker lamp with white light LEDs - 12 - 24 Va.c. - on-off switch - 0.6 W at 12 Va.c. - 0.8 W at 24 Va.c.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L4382/230</td>
<td>step marker lamp with white light LEDs - 230 Va.c. - on-off switch - 0.5 W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: the photographs of the REMOVABLE TORCH, SWIVEL 360° SPOT LAMP AND DIRECTIONAL LAMP, represent the product code indicated, to which one of the three front cover plates (white, Tech or anthracite) available in the package is already fitted.

ITEMS

- WHITE device
- Tech device
- Anthracite device
- Neutral item
LIVINGLIGHT
Room insulation remote switch

The contactors must be used in the system to switch off some loads or devices in the room when the guest is not present (key card not in the switch).

<table>
<thead>
<tr>
<th>Item</th>
<th>AC3 CONTACTORS</th>
<th>AC7A CONTACTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Vn (Vac) In (A)</td>
<td>Contact No. of modules</td>
</tr>
<tr>
<td>FT1AC1N24</td>
<td>24</td>
<td>1NO+1NC 1</td>
</tr>
<tr>
<td>FT1A2N24</td>
<td>25</td>
<td>2 NO 1</td>
</tr>
<tr>
<td>FT2A4N24</td>
<td>2 NO 1</td>
<td>FT1A2N230M</td>
</tr>
<tr>
<td>FT1AC1N230</td>
<td>230</td>
<td>1NO+1NC 1</td>
</tr>
<tr>
<td>FT1A2N230</td>
<td>2 NO 1</td>
<td>FT2A4N230M</td>
</tr>
<tr>
<td>FT2A4N230</td>
<td>3 NO 2</td>
<td>FT2A4N230M</td>
</tr>
<tr>
<td>FT2AC2N230</td>
<td>4 NO 2</td>
<td>FT2A4N230M</td>
</tr>
<tr>
<td>FT1C2N230</td>
<td>2NO+2NC 2</td>
<td>FT2A4/230N</td>
</tr>
<tr>
<td>FT2C4N230</td>
<td>2NC 1</td>
<td>FC2A4/24N</td>
</tr>
<tr>
<td></td>
<td>4 NC 2</td>
<td>FC4A4/24N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>AC3 CONTACTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Vn (Vac) In (A)</td>
</tr>
<tr>
<td>FT1A1N24S</td>
<td>24</td>
</tr>
<tr>
<td>FT1A2N24S</td>
<td>25</td>
</tr>
<tr>
<td>FT1A1N230S</td>
<td>24</td>
</tr>
<tr>
<td>FT1A2N230S</td>
<td>25</td>
</tr>
</tbody>
</table>

**TECHNICAL FEATURES**

Reference standards: CEI EN 61095
Rated pulse voltage Uimp (kV): 4
Rated reel voltage Vn (Vac): 24 or 230
Rated insulating voltage Ui (Vac): 500
Rated current In (A) at 30°C: 25-40-63
Conditioned short-circuit current (kA): 3
Rated frequency (Hz): 50/60
Operating temperature (°C): -25 to 40
Max No. of mechanical manoeuvres 1000000
Power consumption for each pole (W): 1.5
Protection index (terminal area/other areas): IP20/IP40
Maximum section of connectable flexible/rigid cable (mm²): see table
LIVINGLIGHT
Dimensional data

SQUARE COVER PLATES
LNA4802... LND4802KR
LNA4803... LNA4809... LND4801KR LND4819KR
LNA4804... LND4804KR
LNA4807... LND4807KR
LNA4826... LND4826KR

ROUND COVER PLATES
LNB4802... LNB4803... LNB4804...
LNB4807...
LNB4826...

LIVINGLIGHT AIR COVER PLATES
LNC4802... LNC4803... LNC4804...
LNC4807...
LNC4826...

LIVING INTERNATIONAL COVER PLATES
L4802... L4803... L4804... L4807... L4826...

MODULAR DEVICES
1 module 2 modules
10,2 120 142
9,2 120 9,3

DIN DEVICES
2 DIN modules

TABLE WITH DIN SIZES (mm)

<table>
<thead>
<tr>
<th>No. of modules</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>17,5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>2</td>
<td>35</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>3</td>
<td>52,5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>4</td>
<td>70</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>5</td>
<td>87,5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>6</td>
<td>105</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>7</td>
<td>122,5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>8</td>
<td>140</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>9</td>
<td>157,5</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>10</td>
<td>175</td>
<td>82</td>
<td>66</td>
</tr>
<tr>
<td>12</td>
<td>210</td>
<td>82</td>
<td>66</td>
</tr>
</tbody>
</table>

BASIC INTERFACE MODULE
3475 - 3476 - 3477
The technical sheets in this booklet are only part of the range of SCS-BUS devices in the catalogue pages. Only the technical sheets of the basic hotel offer are present.

FOR MORE INFORMATION ABOUT DESIGN AND INSTALLATION OF THE SCS-BUS SOLUTIONS, CONSULT THE SPECIFIC MYHOME TECHNICAL GUIDE

www.catalogo-sfogliabile.bticino.it/myhomegb/
BUS SCS
compact power supply

Description
The power supply must be used to supply power to the MY HOME and Lighting Management systems. On the output, the unit supplies a 27 Vdc continuous low voltage, with a maximum current of 600 mA. It is protected by an integrated fuse (not replaceable) against short circuit and overload.

It’s a double insulation safety device in accordance with CEI EN60065, and can therefore be used in conjunction with a SELV source in accordance with paragraph 11.1.2.5 of CEI 64-8-4. The power supply unit is fitted inside a 2 DIN rail module enclosure, and its installation must be in accordance with the regulations of the country of use.

In general, the following requirements must be met:
- The power supply must always be installed in appropriate enclosures.
- The device must be kept away from water drips and sprays.
- Care must be taken not to obstruct the air vents.
- A two-pole circuit breaker must be installed, with contact separation of at least 3 mm located nearby the power supply. The circuit breaker is used to disconnect the power supply from the mains, and to protect it.

The device must NOT be configured.

Technical data

PRI (AC power supply input)
Rated voltage: 220 – 240 V
Rated current: 175 – 185 mA
Working voltage range: 187 – 265 V
Working frequency range: 47 – 63 Hz
Input power at full load: 21.5 W max
Dissipated power: 5.3 W max
Performance at full load: 80% typ.
Power in stand by: < 1 W
Operating temperature: (+5) – (+40) °C
Integrated fuse (PRI side): F1 T2A 250V (CANNOT BE REPLACED)

SCS
Rated voltage: 27 V +/- 100 mV
Rated current: 0 – 0.6 A
Rated power: 16.2 W

Legend
1. Clamps (PRI) for connection to the power supply voltage
2. LED: – green (power supply ON)
   – red (output current overload)
3. Clamps (SCS) for the connection of the BUS/SCS

Dimensional data
2 DIN modules
**BUS SCS power supply**

**Description**

The power supply must be used to supply power to the MY HOME and Lighting Management systems. On the output, the unit supplies a 27 Vdc continuous low voltage, with a maximum current of 1 A. It is electronically protected (without fuses) against short circuit and overload.

It's a double insulation safety device in accordance with CEI EN60065, and can therefore be used in conjunction with a SELV source in accordance with paragraph 11.1.2.5 of CEI 64-8-4.

The power supply unit is fitted inside a 8 DIN rail module enclosure, and its installation must be in accordance with the regulations of the country of use.

In general, the following requirements must be met:
- The power supply must always be installed in appropriate enclosures.
- The device must be kept away from water drips and sprays.
- Care must be taken not to obstruct the air vents.
- A two-pole circuit breaker must be installed, with contact separation of at least 3 mm located nearby the power supply. The circuit breaker is used to disconnect the power supply from the mains, and to protect it.

**Technical data**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply voltage</td>
<td>230 Vac ± 10% @ 50/60 Hz</td>
</tr>
<tr>
<td>Input MAX power consumption</td>
<td>300 mA</td>
</tr>
<tr>
<td>Output voltage</td>
<td>27 Vdc</td>
</tr>
<tr>
<td>Maximum power delivered</td>
<td>1.2 A</td>
</tr>
<tr>
<td>Maximum power consumption</td>
<td>11 W</td>
</tr>
<tr>
<td>Reference standards</td>
<td>EN60065</td>
</tr>
<tr>
<td>Protection index</td>
<td>IP30</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>5 – 40 °C</td>
</tr>
</tbody>
</table>

**Dimensional data**

Size: 8 DIN modules

---

**Legend**

1. Clamps (1-2) with 27 Vdc output voltage
2. Clamps (BUS) for the connection of the BUS/SCS
3. Clamps for connection to the power supply voltage
**Description**

2 DIN module devices which allows to:
- locally supply the single video door entry handsets and entrance panels.
- supply some accessories of the Communication and MY HOME catalogues (ex: Web server, A/V server, scenario programmers, 2 WIRE/IP interface, switch 10/100, ADSL modem router, Hub-TV and SCS modulator).

It is a double insulation safety device in accordance with CEI.

The power supply is enclosed by a 2 DIN module plastic rail enclosure, and its installation must be in accordance with the regulations of the country of use.

The device must not be configured.

**Technical data**

**PRI (AC power supply input)**
- Rated voltage: 220 – 240 Vac
- Rated current: 180 – 190 mA
- Working voltage range: 187 – 265 V
- Working frequency range: 47 – 63 Hz
- Input power at full load: 20 W max
- Dissipated power: 3.8 W (max.)
- Performance at full load: 80% typ.
- Power in stand by: < 1 W
- Operating temperature: 5 – 40 °C
- Integrated fuse (PRI side): F1 T2A 250V (CANNOT BE REPLACED)

**1 - 2 (DC output):**
- Rated voltage: 27 V +/- 100 mV
- Rated current: 0 – 0.6 A
- Rated power: 16.2 W

**Standards, Certifications, Marks**

Standards: CEI EN60065

**Dimensional data**

2 DIN modules

**Assembly, Installation**

Comply with the following installation requirements:
- The power supply must always be installed in appropriate enclosures
- It must be kept away from water drips and sprays.
- Do not to obstruct the air vents.
- A double-pole thermal magnetic circuit breaker with contact separation of at least 3 mm must be used, positioned near the power supply. The circuit breaker is used to disconnect the power supply from the mains, and to protect it.

**Legend**

1 - 230 Vac input connection clamps
2 - Operating status notification LEDs:
   (GREEN ON) – normal operation of the power supply
   (RED ON) – output current overload
3 - Output 1 – 2 connection clamps
Modular single-phase stabilised switching mode power supplies

UL508

1. USE
Switching mode DC power supplies (electronic) for which the output voltage is independent of the fluctuations in the input voltage.

2. GENERAL CHARACTERISTICS
Operating frequency: 50/60 Hz
Output voltage present indicator
Output voltage adjustment potentiometer on front panel
Output voltage variation: ±1% (except 1 467 01: ±2%)
No-load power consumption less than 0.3 W
Cooling by natural convection
Integrated short-circuit and overload protection on the power supply secondary
Modular products
Class II insulation

3. COMPLIANCE
UL 508 approvals
Conforming to IEC EN 60950-1, EN 61558-2-16
Conforming to EN 55022 class B*, EN 61000-3-2 class A, EN 61000-3-3
Conforming to EN 61000-4-2, 3, 4, 6, level 3, criterion A
EN 61000-4-5 and 8 level 4, criterion A

* Class B means the power supply can be used in any environment, including residential

4. RANGES/ELECTRICAL CHARACTERISTICS
DC output voltage = 5 V or 12 V or 24 V
Modular plastic casing

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Output Nominal setting range (VDC)</th>
<th>Nominal power (Pn in W)</th>
<th>Min-Max voltage (VAC)</th>
<th>Current consumption (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 467 01</td>
<td>5 - 5.5</td>
<td>2.4</td>
<td>12</td>
<td>85 - 264</td>
</tr>
<tr>
<td>1 467 11</td>
<td>12 - 13.8</td>
<td>2.4</td>
<td>24</td>
<td>85 - 264</td>
</tr>
<tr>
<td>1 467 12</td>
<td>12 - 13.8</td>
<td>4.3</td>
<td>54</td>
<td>85 - 264</td>
</tr>
<tr>
<td>1 467 21</td>
<td>24 - 25</td>
<td>11.5</td>
<td>15</td>
<td>85 - 264</td>
</tr>
<tr>
<td>1 467 22</td>
<td>24 - 25</td>
<td>11.5</td>
<td>25</td>
<td>85 - 264</td>
</tr>
<tr>
<td>1 467 23</td>
<td>24 - 25</td>
<td>25</td>
<td>60</td>
<td>85 - 264</td>
</tr>
<tr>
<td>1 467 24</td>
<td>24 - 25</td>
<td>25</td>
<td>92</td>
<td>85 - 264</td>
</tr>
</tbody>
</table>

(1): 115 V AC/230 V AC

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Efficiency (%)</th>
<th>Starting time at Pn (s)</th>
<th>Holding time at Pn (ms)</th>
<th>Operating temperatures w/o derating (°C)</th>
<th>Internal consumption (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 467 01</td>
<td>80</td>
<td>2.00/0.20 (1)</td>
<td>12/30 (1)</td>
<td>30 to + 50</td>
<td>3</td>
</tr>
<tr>
<td>1 467 11</td>
<td>88</td>
<td>0.53/0.15 (1)</td>
<td>12/30 (1)</td>
<td>30 to + 50</td>
<td>3.3</td>
</tr>
<tr>
<td>1 467 12</td>
<td>88</td>
<td>0.53/0.15 (1)</td>
<td>12/30 (1)</td>
<td>30 to + 45</td>
<td>7.4</td>
</tr>
<tr>
<td>1 467 21</td>
<td>86</td>
<td>2.00/0.20 (1)</td>
<td>12/30 (1)</td>
<td>30 to + 50</td>
<td>2.5</td>
</tr>
<tr>
<td>1 467 22</td>
<td>89</td>
<td>0.53/0.15 (1)</td>
<td>12/30 (1)</td>
<td>30 to + 50</td>
<td>4.5</td>
</tr>
<tr>
<td>1 467 23</td>
<td>90</td>
<td>0.53/0.15 (1)</td>
<td>12/30 (1)</td>
<td>30 to + 45</td>
<td>6.7</td>
</tr>
<tr>
<td>1 467 24</td>
<td>90</td>
<td>0.53/0.36 (1)</td>
<td>12/30 (1)</td>
<td>30 to + 45</td>
<td>10.3</td>
</tr>
</tbody>
</table>

(1): 115 V AC/230 V AC

Insulation voltage:
- Input/Output: 3000 V min.
Modular single-phase stabilised switching mode power supplies

5. WEIGHT AND DIMENSIONS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1467 01</td>
<td>78</td>
</tr>
<tr>
<td>1467 11</td>
<td>120</td>
</tr>
<tr>
<td>1467 12</td>
<td>190</td>
</tr>
<tr>
<td>1467 21</td>
<td>78</td>
</tr>
<tr>
<td>1467 22</td>
<td>120</td>
</tr>
<tr>
<td>1467 23</td>
<td>190</td>
</tr>
<tr>
<td>1467 24</td>
<td>270</td>
</tr>
</tbody>
</table>

7. POSITIONING

Mounting: Power supply in vertical position, input terminals (AC) at the bottom and output terminals (DC) at the top.

Rail mounting

Environmental conditions:

- 1467 01/11/21/22: 50°C max
- 1467 12/23: 45°C max
- 1467 24: 45°C max

8. CONNECTION

Copper only

2.5 mm² max.

9. OPERATION

Integrated protection on the secondary
Protection against overloads: automatic reset after correction of the fault.

Protection device to be used at the input of the power supplies:

<table>
<thead>
<tr>
<th>Power</th>
<th>Cat. No.</th>
<th>Fuse</th>
<th>Circuit breaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 W</td>
<td>1467 01</td>
<td>F 500 mA H (250 V)</td>
<td>0.5 A C 4 077 74</td>
</tr>
<tr>
<td>15 W</td>
<td>1467 11</td>
<td>F 1.25A H (250 V)</td>
<td>2 A C 4 076 93</td>
</tr>
<tr>
<td>36 W</td>
<td>1467 12</td>
<td>F 2A H (250 V)</td>
<td>3 A C 4 076 94</td>
</tr>
<tr>
<td>60 W</td>
<td>1467 23</td>
<td>F 2A H (250 V)</td>
<td>3 A C 4 076 94</td>
</tr>
<tr>
<td>92 W</td>
<td>1467 24</td>
<td>F 2.5A H (250 V)</td>
<td>3 A C 4 076 94</td>
</tr>
</tbody>
</table>
Modular single-phase stabilised switching mode power supplies

10. DERATING CURVES

1 467 01 - 1 467 11 - 1 467 21 - 1 467 22

1 467 12 - 1 467 23

1 467 24

Ambient temperature (°C)

Load (%)

Input voltage (VAC) 60 Hz

110 VAC input

230 VAC input

F02467EN/00 07/07/2017
1. DESCRIPTION

This is an RFID keycard reader (13.56 MHz) located at the entrance to the room which can, by inserting an RFID keycard in the appropriate slot:
- indicate someone is in the room
- trigger a "welcome" scenario
And by removing it:
- indicate no one is in the room
- trigger a "goodbye" scenario

It indicates and can be used to activate the housekeeping information:
- Do Not Disturb
- Make Up Room
- Extra service, for example picking up laundry (only available on configured version)

The card position is indicated by arrows (illuminated flashing path).

It has a proximity sensor which can be disabled by configuration: when the device detects an approach, it switches from standby state to active state. The LED brightness level (on standby or active) can also be set by configuration.

It can be configured using the MyHOTEL Suite software, which can be downloaded from the website www.homesystems-legrandgroup.com.

It can also be used for IP installations which include controller 0 484 08/12, and can be configured with the Hotel Room Configuration Software available on the website www.legrandoc.com.

Key
1. MUR indicator (green LED on = MAKE UP ROOM)
2. DND indicator (red LED on = DO NOT DISTURB)
3. Keycard slot indicator
4. BUS/SCS plug-in connector

2. TECHNICAL CHARACTERISTICS

BUS/SCS power supply: 18 - 27 VDC
Standby consumption: 12 mA
On-load consumption: 25 mA
RFID frequency: 13.56 Mhz
Operating temperature: 0°C to +40°C
Storage temperature: -20°C to +70°C
Protection index: IP 20, IK 04
Plate and surround colour: Black Cat. No. 0 487 71/FL4648 or white Cat. No. FL4648W

3. STANDARDS, CERTIFICATIONS AND MARKINGS

EN 60669-2-5
CE marked

4. DIMENSIONS

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CONTENTS

1. Description ................................................................. 1
2. Technical characteristics ........................................... 1
3. Standards, certifications and markings ...................... 1
4. Dimensions ................................................................. 1
5. Wiring ........................................................................ 2
6. Installation ................................................................. 2
7. Configured version Cat. No. 0 487 81/FL4658... 3

---

This is an RFID keycard reader (13.56 MHZ) located at the entrance to the room which can, by inserting an RFID keycard in the appropriate slot:

This is an RFID keycard reader (13.56 MHZ) located at the entrance to the room which can, by inserting an RFID keycard in the appropriate slot:

- indicate someone is in the room
- trigger a “welcome” scenario

And by removing it:

- indicate no one is in the room
- trigger a “goodbye” scenario

It indicates and can be used to activate the housekeeping information:

- Do Not Disturb
- Make Up Room
- Extra service, for example picking up laundry (only available on configured version)

The card position is indicated by arrows (illuminated flashing path).

It has a proximity sensor which can be disabled by configuration: when the device detects an approach, it switches from standby state to active state. The LED brightness level (on standby or active) can also be set by configuration.

It can be configured using the MyHOTEL Suite software, which can be downloaded from the website www.homesystems-legrandgroup.com.

It can also be used for IP installations which include controller 0 484 08/12, and can be configured with the Hotel Room Configuration Software available on the website www.legrandoc.com.

Key
1. MUR indicator (green LED on = MAKE UP ROOM)
2. DND indicator (red LED on = DO NOT DISTURB)
3. Keycard slot indicator
4. BUS/SCS plug-in connector
5. CABLEING

6. INSTALLATION

Surface-mounted installation
0 800 41

With accessory Cat. No. 0 487 88
RFID keycard reader BUS/SCS

0 487 71/81
FL4648/48W/58

7. CONFIGURED VERSION CAT. NO. 0 487 81/FL4658

Choice of plate colour
- Make up room
- Empty
- Do not disturb
- Empty
- Extra service
- Empty

Choice of surround colour

Options (predefined position):
- Hotel logo
- Flush-mounted version

The configurator is available on the following website: www.uxforupscalehotel.legrand.com.
The list of pictogram and colour options (plate and surround) can be accessed via the configurator.
This is an RFID keycard reader (13.56 MHz) located at the entrance to the room which can, by inserting an RFID keycard in the appropriate slot:
- indicate someone is in the room
- trigger a “welcome” scenario
And by removing it:
- indicate no one is in the room
- trigger a “goodbye” scenario
It can, by configuration, recognise a scenario associated with the keycard profile (customer, management, etc).

It indicates and can be used to activate the housekeeping information:
- Do Not Disturb
- Make Up Room
- Extra service, for example picking up laundry (only available on configured version)

The card position is indicated by arrows (illuminated flashing path).

It has a proximity sensor which can be disabled by configuration: when the device detects an approach, it switches from standby state to active state. The LED brightness level (on standby or active) can also be set by configuration.

It can be configured using the MyHOTEL_Suite software, which can be downloaded from the website www.homesystems-legrandgroup.com.
RFID keycard reader BUS/SCS

5. CABLING

6. INSTALLATION

Installazione a parete

500

PB502N

502E

503E

PB503N

Con accessorio rif. 0 487 88

0 487 79

1 35.5

0 487 70/80
FL4649/49W/59
**RFID keycard reader BUS/SCS**

**0 487 70/80**

**FL4649/49W/59**

---

### 7. CONFIGURED VERSION CAT. NO. 0 487 80/FL4659

Choice of plate colour

- Make up room
- Empty

- Do not disturb
- Empty

- Extra service
- Empty

Choice of surround colour

Options (predefined position):
- Hotel logo
- Flush-mounted version

The configurator is available on the following website: www.uxforupscalehotel.legrand.com.
The list of pictogram and colour options (plate and surround) can be accessed via the configurator.
BUS-SCS external indicator display panel

This is an indicator display panel located outside the room (in the corridor) displaying the housekeeping information:
- Do Not Disturb
- Make Up Room
- Extra service (for example Pick up laundry) (only on configured version Cat. No. 0 487 85/FL4660)

It also has a "call bell" touch-sensitive button which flashes for 3 s to show that the command has been recognised.
The "call bell" indicator status shows whether anyone is in the room: on if someone present, off if no one present.

If the DND function is enabled, the "call bell" relay is disabled. When pressed, the DND LED flashes, but the "call bell" indicator does not flash.

Alarms are signalled by the flashing "call bell" indicator. This visual alarm function is only available for SCS installations which include the MH201 device, and can be configured with the MyHotel_Suite software available on the website www.homesystems-legrandgroup.com.

This product is also available for IP installations which include controller Cat. Nos. 0 484 08/12, and can be configured with the Hotel Room Configuration Software available on the website www.legrandoc.com.

CONTENTS
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2. TECHNICAL CHARACTERISTICS .................. 1
3. STANDARDS, CERTIFICATIONS AND MARKS ....... 1
4. DIMENSIONS ................................................. 1
5. Door bell connection diagrams ................... 2
6. Installation ................................................. 2
7. Configured version Cat. No. 0 487 85/
   FL4660 ................................................. 3

1. DESCRIPTION
This is an indicator display panel located outside the room (in the corridor) displaying the housekeeping information:
- Do Not Disturb
- Make Up Room
- Extra service (for example Pick up laundry) (only on configured version Cat. No. 0 487 85/FL4660)

2. TECHNICAL CHARACTERISTICS
- BUS/SCS power supply: 18 - 27 VDC
- Standby consumption: 6 mA
- On-load consumption: 8 mA max
- Relay contact (activated by button on the front): 230 VAC max 1 A max
- Operating temperature: 0°C to +40°C
- Storage temperature: -20°C to +70°C
- Protection index: IP 20, IK 04
- Plate and wall box colour (standard): Black Cat. No. 0 487 75/FL4650 or white Cat. No. FL4650W

3. STANDARDS, CERTIFICATIONS AND MARKS
EN 60669-2-5
CE marked

4. DIMENSIONS

Key
1. MUR indicator (green LED on = MAKE UP ROOM)
2. DND indicator (red LED on = DO NOT DISTURB)
3. Door bell call indicator
4. BUS/SCS plug-in connector
5. NO contact for activating the door bell. The contact is controlled by pressing the "door bell" indicator.

Front view  
Rear view
5. DOOR BELL CONNECTION DIAGRAMS

The “call bell” relay is active for as long as the device button is pressed.

6. INSTALLATION

Surface-mounted with flush-mounting boxes

Flush-mounted with accessory
Cat. No. 0 487 88
BUS-SCS external indicator
display panel

0 487 75/85
FL4650/50W/60

7. CONFIGURED VERSION CAT. NO. 0 487 85/FL4660

- Do not disturb
- Empty
- Make up room
- Empty
- Extra service
- Empty

Choice of plate colour

Choice of surround colour

Options (predefined position):
- Hotel logo
- Room no. (alphanumeric)
- Flush-mounted version

The configurator is available on the following website: www.uxforupscalehotel.legrand.com.
The list of pictogram and colour options (plate and surround) can be accessed via the configurator.
This is an indicator panel incorporating a keycard reader function which can be used to unlock the door. It is located outside the room (in the corridor) and displays the housekeeping information:
- Do Not Disturb
- Make Up Room
- Extra service, for example picking up laundry (only on configured version Cat. No. 0 487 86/FL4661)

It also has a "call bell" touch-sensitive button which flashes for 3 s to show that the command has been recognised.

The "call bell" indicator status shows whether anyone is in the room: on if someone present, off if no one present (set by configuration).

It also has an RFID keycard reader which can be used to open the door. If the DND function is enabled, the "call bell" relay is disabled. When pressed, the DND LED flashes, but the "call bell" indicator does not flash.

Alarms are signalled by the flashing "call bell" indicator. The product can be configured with the MyHotel_Suite software available on the website www.homesystems-legrandgroup.com.

1. DESCRIPTION

Key:
1. MUR indicator (green LED on = MAKE UP ROOM)
2. DND indicator (red LED on = DO NOT DISTURB)
3. Door bell call indicator
4. RFID keycard reader (13.56 MHz ISO14443-A (type 2 and 4))
5. NO contact for activating the bell.
   - The contact can be used to control the:
     - Door bell
     - Electric lock by keycard recognition (configured in Myhotel_Suite)

2. TECHNICAL CHARACTERISTICS

BUS/SCS power supply: 18 - 27 VDC
Standby consumption: 12 mA
On-load consumption: 25 mA max
Relay contact (activated by button on the front): 230 VAC max 1 A max
Operating temperature: 0°C to +40°C
Storage temperature: -20°C to +70°C
Protection index: IP 20, IK 04
Plate and surround colour: Black Cat. No. 0 487 76/FL4651 or white Cat. No. FL4651W

3. STANDARDS, CERTIFICATIONS AND MARKINGS

EN 60669-2-5
CE marked

4. DIMENSIONS

Front view
Rear view
5. DOOR BELL CONNECTION DIAGRAMS

The "call bell" relay is active for as long as the device button is pressed.

6. ELECTRIC LOCK CONNECTION DIAGRAMS

The electric lock is activated for 3 seconds by the RFID reader after positive keycard reading. It is still possible, in this mode, to control a door bell by configuration using the MyHotel Suite software.
7. INSTALLATION
Surface-mounted with flush-mounting boxes
Flush-mounted with accessory Cat. No. 0 487 88

8. CONFIGURED VERSION CAT. NO. 0 487 86/FL4661

- Do not disturb
- Empty
- Make up room
- Empty
- Extra service
- Empty

Choice of plate colour
Choice of surround colour
Options (predefined position):
- Hotel logo
- Room no. (alphanumeric)
- Flush-mounted version

The configurator is available on the following website: www.uxforupscalehotel.legrand.com.
The list of pictogram and colour options (plate and surround) can be accessed via the configurator.
1. DESCRIPTION

This touch plate has 6 buttons which can be used to control the lighting, roller blinds and scenarios (for example: wake up, sleep, TV, general switch-off).

In configured version, it is possible to indicate and activate the housekeeping information:
- Do Not Disturb
- Make Up Room

It has a proximity sensor: when the device detects an approach, it switches from standby state to active state. The LED brightness level (on standby and active) and the time delay before returning to standby state can be set by configuration.

Configuration is possible with the MyHotel Suite software on SCS installations which include the MH201 device, or with the Hotel Room Controller Software on IP installations which include the 0 484 08 or 0 484 12 device.

2. TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS/SCS power supply</td>
<td>18 - 27 VDC</td>
</tr>
<tr>
<td>Consumption with screen off</td>
<td>8 mA</td>
</tr>
<tr>
<td>Consumption with ultra-bright screen</td>
<td>20 mA</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0°C to +40°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-20°C to +70°C</td>
</tr>
<tr>
<td>Protection index</td>
<td>IP 20, IK 04</td>
</tr>
<tr>
<td>Plate and surround colour (standard):</td>
<td>Black Cat. No. 0 487 74/FL4652 or White Cat. No. FL4652W</td>
</tr>
</tbody>
</table>

3. STANDARDS, CERTIFICATIONS AND MARKINGS

- EN 60669-2-5
- CE marked

4. DIMENSIONS

Key:
1. Scenarios
2. Roller blind control
3. Connection to the BUS
6. INSTALLATION

Surface-mounted with flush-mounting boxes

Flush-mounted with accessory Cat. Nos. 0 487 88/89
6 functions touch plate
BUS-SCS

0 487 74/84
FL4652/52W/62

7. CONFIGURED VERSION CAT. NO. 0 487 84/FL4662

- Scenario
- Empty
- Scenario
- Empty
- Scenario
- Empty
- Scenario
- Empty

Choice of plate colour

Choice of surround colour

Options (predefined position):
- Hotel logo
- Flush-mounted version

The configurator is available on the following website: www.uxforupscalehotel.legrand.com.
The list of pictogram and colour options (plate and surround) can be accessed via the configurator.
1. DESCRIPTION

The bedside panel is dedicated to hotels. It has a thermostat function which can be used on heating and/or air conditioning installations, 5 scenario control units and a “Do not disturb” housekeeping function. It is possible to display and set the reference temperature, fan speed, and switch ON with thermal overload protection.

The screen displays the measured ambient temperature or the reference temperature.

It indicates and can be used to activate the housekeeping information:
- Do Not Disturb
- Make up room: only available on configured version.

It has a proximity sensor which can be disabled by configuration: when the device detects an approach, it switches from standby state to active state. The LED brightness level (on standby or active) and the time delay before returning to standby state can also be set by configuration.

The control & management software is used to view and control the thermostat. Configuration is possible with the MyHotel_Suite software on SCS installations which include the MH201 device, or with the Hotel Room Controller Software on IP installations which include the 0 484 08 or 0 484 12 device.

2. TECHNICAL CHARACTERISTICS

- **BUS/SCS power supply:** 18 - 27 VDC
- **Consumption with screen off:** 8 mA
- **Consumption with ultra-bright screen:** 30 mA
- **Operating temperature:** 0°C to +40°C
- **Storage temperature:** -20°C to +70°C
- **Unit of measurement:** °C or °F
- **Loads controllable by an actuator:**
  - Fan coil unit with 2 tubes and On/Off valve
  - IP gateway (centralised HVAC package)
  - Fan coil unit with 2 tubes and proportional valve
  - Fan coil unit with 4 tubes and On/Off valve
  - Fan coil unit with 4 tubes and proportional valve
  - Proportional valve
  - Fan coil unit with 2 tubes and proportional speed control
  - Fan coil unit with 4 tubes and proportional speed control

3. STANDARDS, CERTIFICATIONS AND MARKINGS

- **EN 60669-2-5**
- **CE marked**

4. DIMENSIONS

<table>
<thead>
<tr>
<th>KEY</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Scenario buttons</td>
<td>2. Heating enabled indicator (red) Air conditioning enabled indicator (blue)</td>
<td>3. MODE button: pressing briefly changes from normal mode (ON) to protection mode (frost guard or thermal overload). A longer press changes the function (heating/air conditioning/automatic) according to the configuration.</td>
<td>4. Measured temperature (SET off) or reference temperature (SET on) indicator</td>
<td>5. + button: increases the reference value</td>
<td>6. – button: decreases the reference value</td>
<td>7. FAN button: sets the fan speed (3 levels + automatic)</td>
</tr>
</tbody>
</table>
## 5. CONNECTION DIAGRAMS

**Example of installation for hotel room (SCS installation)**

```
BUS power supply   MH201   HVAC actuator
```

**Example of installation for hotel room (Bacnet installation)**

```
BUS power supply
```

0 484 08/12   0 634 42   HVAC actuator
6. INSTALLATION

Surface-mounted with flush-mounting boxes

Flush-mounted with accessory Cat. Nos. 0 487 88/89

7. CONFIGURED VERSION CAT. NO. 0 487 82/FL4663

- Make up room
- Scenario
- Empty

- Scenario
- Empty
- Scenario
- Empty
- Scenario
- Empty
- Scenario
- Empty

Choice of surround colour

Options (predefined position):
- Hotel logo
- Flush-mounted version

The configurator is available on the following website: www.uxforupscalehotel.legrand.com.
The list of pictogram and colour options (plate and surround) can be accessed via the configurator.
TECHNICAL SHEETS

Thermostat
BUS/SCS

The thermostat is dedicated to hotels and is equally suitable for heating and/or air-conditioning installations. It can be used to display and set the reference temperature, fan speed, and switch ON with thermal overload protection.

The screen displays the measured ambient temperature or the reference temperature.

It has a proximity sensor which can be disabled by configuration: when the device detects an approach, it switches from standby state to active state. The LED brightness level (on standby or active) and the time delay before returning to standby state can also be set by configuration.

The control & management software is used to view and control the thermostat. Configuration is possible with the MyHotel_Suite software on SCS installations which include the MH201 device, or with the Hotel Room Controller Software on IP installations which include the 0 484 08 or 0 484 12 device.

The thermostat must be installed on a wall at a height of approximately 150 cm above the floor, unless otherwise specified by the applicable standards.

1. DESCRIPTION

The thermostat is dedicated to hotels and is equally suitable for heating and/or air-conditioning installations. It can be used to display and set the reference temperature, fan speed, and switch ON with thermal overload protection.

The screen displays the measured ambient temperature or the reference temperature.

It has a proximity sensor which can be disabled by configuration: when the device detects an approach, it switches from standby state to active state. The LED brightness level (on standby or active) and the time delay before returning to standby state can also be set by configuration.

The control & management software is used to view and control the thermostat. Configuration is possible with the MyHotel_Suite software on SCS installations which include the MH201 device, or with the Hotel Room Controller Software on IP installations which include the 0 484 08 or 0 484 12 device.

The thermostat must be installed on a wall at a height of approximately 150 cm above the floor, unless otherwise specified by the applicable standards.

2. TECHNICAL CHARACTERISTICS

BUS/SCS power supply: 18-27 VDC
Consumption with screen off: 8 mA
Consumption with ultra-bright screen: 25 mA
Operating temperature: 0°C to +40°C
Storage temperature: -20°C to +70°C
Unit of measurement: °C or °F
Loads controllable by an actuator:

- On/Off,
- Open/Close, 3-way or 0-10 V valves
- Fan coil unit with 2 or 4 tubes with On/Off, 3-way or 0-10 V valves
- Fan coil unit with 2 and 4 tubes with 0-10 V valve and 0-10 V speed control
- Radiators (ON/OFF)
- Centralised air-conditioning system IP gateway

Protection index: IP 20, IK 04
Plate and surround colour (standard): Black Cat. No. 0 487 73/FL4654 or White Cat. No. FL4654W

3. STANDARDS, CERTIFICATIONS AND MARKINGS

EN 60669-2-5
CE marked

4. DIMENSIONS

Front view
Rear view

Key
1. MODE button: pressing briefly changes from normal mode (ON) to protection mode (frost guard or thermal overload). A longer press changes the function (heating/air conditioning/automatic) according to the configuration.
2. + button: increases the reference value
3. - button: decreases the reference value
4. FAN button: sets the fan speed (3 levels + automatic)
5. Heating enabled indicator (red) Air conditioning enabled indicator (blue)
6. Fan speed indicator (3 levels) + automatic
7. Measured temperature (SET off) or reference temperature (SET on) indicator
8. Local contact
9. Connection to the BUS

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2. Technical characteristics ..................... 1
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6. Installation .................................. 2
7. Configured version Cat. No. 0 487 83/FL4664 ... 3
5. CONNECTION DIAGRAMS

Example of installation for hotel room (SCS installation)

Example of installation for hotel room (Bacnet installation)
6. INSTALLATION

Surface-mounted with flush-mounting boxes

Flush-mounted with accessory Cat. No. 0 487 88

7. CONFIGURED VERSION CAT. NO. 0 487 83/FL4664

Choice of plate colour

Options (predefined position):
- Hotel logo
- Flush-mounted version

The configurator is available on the following website: www.uxforupscalehotel.legrand.com.
This touch plate has 2 buttons which can be used to control the lighting, roller blinds and scenarios (wake up/sleep). It indicates and can also be used to activate the housekeeping information:
- Do Not Disturb
- Make Up Room

In configured version, scenarios can be assigned to the 4 buttons. It has a proximity sensor which can be disabled by configuration: when the device detects an approach, it switches from standby state to active state. The LED brightness level (on standby and active) and the time delay before returning to standby state can also be set by configuration.

Configuration is possible with the MyHotel_Suite software on SCS installations which include the MH201 device, or with the Hotel Room Controller Software on IP installations which include the 0 484 08 or 0 484 12 device.

### 2. TECHNICAL CHARACTERISTICS

- **BUS/SCS power supply:** 18 - 27 VDC
- **Consumption with screen off:** 8 mA
- **Consumption with ultra-bright screen:** 15 mA
- **Operating temperature:** 0°C to +40°C
- **Storage temperature:** -20°C to +70°C
- **Protection index:** IP 20, IK 04
- **Plate and surround colour (standard):** Black Cat. No. 0 487 77/FL4655 or White Cat. No. FL4655W

### 3. STANDARDS, CERTIFICATIONS AND MARKINGS

- EN 60669-2-5
- CE marked

### 4. DIMENSIONS

- **Front view:**
  - Key:
    - 1. Scenarios
    - 2. MUR indicator (green LED on = MAKE UP ROOM)
    - 3. DND indicator (red LED on = DO NOT DISTURB)
    - 4. Connection to the bus

- **Rear view:**

- **Dimensions:**
  - Width: 129 mm
  - Height: 93 mm
  - Depth: 11.5 mm
4 functions touch plate
BUS-SCS

5. WIRING

6. INSTALLATION

Surface-mounted with flush-mounting boxes

Flush-mounted with accessory Cat. Nos. 0 487 88/89
4 functions touch plate
BUS-SCS

7. CONFIGURED VERSION CAT. NO. 0 487 87/FL4665

The configurator is available on the following website: www.uxforupscalehotel.legrand.com.
The list of pictogram and colour options (plate and surround) can be accessed via the configurator.
The "Virtual Key Card" function is not yet available, for information on availability contact the sales staff.
The “Virtual Key Card” function is not yet available, for information on availability contact the sales staff.
**BUS-SCS key card switches**

**Description**

Hotel room power supply key card switch. Thanks to the LED backlit slot, the device can be found in the dark. An automatic switch off delay can also be set.

It can be used with key cards with sizes between 45 mm and 54 mm (ISO).

The device can be configured in two different ways:

- **Physical configuration**, by inserting the configurators in the appropriate housings.
- **Configuration using the MyHOTEL_Suite software**, which can be downloaded from the website [www.homesystems-legrandgroup.com](http://www.homesystems-legrandgroup.com); this last type of configuration has the advantage of offering many more options when compared with the physical configuration.

**Technical data**

| Power supply from SCS BUS: | 18-27 Vdc |
| Max. absorption: | 6 mA |
| Stand-by absorption: | 5 mA |
| Operating temperature: | (-10) – (+45) °C |

**Standards, Certifications, Marks**

- EN 60669-2-1
- EN 50491-5-1
- EN 50428

**Dimensional data**

Size: 2 flush mounted modules

**Legend**

1. Programming key: Learn IN
2. Programming key: Learn OUT
3. LED
4. Key card detection microswitch
5. Configurator socket
6. SCS BUS connector
BUS-SCS key card switches

Physical configuration

Two modes:
- CENTRALIZED (to be used with MH201), to recall scenarios managed by the scenario programmer. When the key card is inserted and removed, the device forwards a signal to the scenario programmer, which depending on the scenarios set will activate the corresponding functions programmed.

A = 1-9 (CEN command address)
PL = 1-9 (CEN command address)
M1 = CEN
DEL1 = no configurator
DEL2 = no configurator

Note: the insertion of the key card corresponds to “Pushbutton 1” of the control, while the removal of the key card corresponds to “Pushbutton 2” of the control

- SCENARIO, where by inserting the key card a group of actuators is enabled, and an entrance scenario is activated (through the scenario module), and by removing the key card an exit scenario is activated (through the scenario module), thanks to which all the group actuators will switch off and then disable after a set time delay.

A = 1-9 (as scenario module)
PL = 1-9 (as scenario module)
M1 = 1-8 (activation of the corresponding scenario: see table B)
DEL1 = 0 - 9 (switching on time delay at the insertion of the key card: see table A)
M2 = no configurator
DEL2 = 0 - 9 (switching off time delay after the removal of the key card: see table A)

SCENARIO mode programming:

This operation is performed to create a link between the key card switch and the scenario module. The procedure is as follows:

1) Power the key card switch. Check that the scenario module is in programming mode, with the green LED on;
2) Press and hold down programming key 1 (Learn IN) or 2 (Learn OUT) until the LED starts flashing (approximately 3 seconds);
3) Create the scenario using the system controls and actuators;
4) Once the scenario has been saved, briefly press programming key 1 (Learn IN) or 2 (Learn 2) to exit the programming status;
5) The scenario module will also have to exit programming status (see the scenario module technical information).

Cancelling the programming in SCENARIO mode:

1) Power the key card switch. Check that the scenario module is in programming mode, with the green LED on:
2) Press and hold down programming key 1 (Learn IN) or 2 (Learn 2) for 8 seconds. After 3 seconds the LED will turn on, after a further 5 seconds it will turn off again;
3) Release the key;
4) The LED flashing, followed by the LED switching off, indicates that the programming has been cancelled;
5) The scenario module will also have to exit programming status (see the scenario module technical information).

Configurator value | Time   
---|---
0 | 0 min
1 | 1 min
2 | 2 min
3 | 3 min
4 | 4 min
5 | 5 min
6 | 10 min
7 | 15 min
8 | 15 sec
9 | 30 sec

Table B

| Configurator value | Scenario - Group |
---|---|
1 | Scenario-group (Sce1=1, Sce2=9, Gr=1) |
2 | Scenario-group (Sce1=2, Sce2=10, Gr=2) |
3 | Scenario-group (Sce1=3, Sce2=11, Gr=3) |
4 | Scenario-group (Sce1=4, Sce2=12, Gr=4) |
5 | Scenario-group (Sce1=5, Sce2=13, Gr=5) |
6 | Scenario-group (Sce1=6, Sce2=14, Gr=6) |
7 | Scenario-group (Sce1=7, Sce2=15, Gr=7) |
8 | Scenario-group (Sce1=8, Sce2=16, Gr=8) |

Note: Sce 1 = scenario activated on insertion
Sce 2 = scenario activated on removal
Gr = group of actuators

Configuration using the MyHOTEL_Suite software

This is performed using the appropriate MyHOTEL_Suite application. This mode has the advantage of offering many more options when compared with the physical configuration. The software configuration requires Ethernet connection between the system and the PC, through the IP MH201 scenario module.

Ethernet connection to the system
**Wiring diagrams**

Principle and configuration diagram for a hotel room

---

**ITEM DESCRIPTION**

- E49 Power supply
- LN4650 Outside the door indicator
- LN4649 Key card switch
- LN4653 DND and MUR controls
- LN4652 8 key scenario control
- LN4691 Thermostat with display
- MH201 IP scenario module
- F430R8 Air conditioning actuator

*General note: the devices listed in the legend are for the LivingLight series.*
**BUS SCS**  
**RFID key card switches**

**Description**
RFID key card switch for the connection of the power supply to the hotel room (13.56 MHz frequency key card detection). Thanks to the LED backlit slot, the device can be found in the dark. An automatic switch off delay can also be set. It can be used with key cards with sizes between 45 mm and 54 mm (ISO).

The device can be configured in two different ways:
- Physical configuration, by inserting the configurators in the appropriate housings.
- Configuration using the MyHOTEL_Suite software, which can be downloaded from the website www.homesystems-legrandgroup.com; this last type of configuration has the advantage of offering many more options when compared with the physical configuration.

**Technical data**

<table>
<thead>
<tr>
<th>Power supply from SCS BUS:</th>
<th>18-27 Vdc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. absorption:</td>
<td>6 mA</td>
</tr>
<tr>
<td>Stand-by absorption:</td>
<td>5 mA</td>
</tr>
<tr>
<td>Operating temperature:</td>
<td>5 – 40 °C</td>
</tr>
<tr>
<td>RFID key card frequency:</td>
<td>13.56 MHz</td>
</tr>
</tbody>
</table>

**Standards, Certifications, Marks**
EN 60669-2-1  
EN 50491-5-1  
EN 50428

**Dimensional data**
Size: 2 flush mounted modules

**Legend**
1. Programming key: Learn IN  
2. Programming key: Learn OUT  
3. LED  
4. Configurator socket  
5. SCS BUS connector
**BUS SCS**

**RFID key card switches**

### Physical configuration

Two modes:
- **CENTRALIZED**, to recall scenarios managed by the scenario programmer. When the key card is inserted and removed, the device forwards a signal to the scenario programmer, which depending on the scenarios set will activate the corresponding functions programmed.

  - **A** = 1-9 (CEN command address)
  - **PL** = 1-9 (CEN command address)
  - **M1** = CEN
  - **DEL1** = no configurator
  - **M2** = no configurator
  - **DEL2** = no configurator

Note: the insertion of the key card corresponds to “Pushbutton 1” of the control, while the removal of the key card corresponds to “Pushbutton 2” of the control.

- **SCENARIO**, where by inserting the key card a group of actuators is enabled, and an entrance scenario is activated (through the scenario module), and by removing the key card an exit scenario is activated (through the scenario module), thanks to which all the group actuators will switch off and then disable after a set time delay.

  - **A** = 1-9 (as scenario module)
  - **PL** = 1-9 (as scenario module)
  - **M1** = 1-8 (activation of the corresponding scenario: see table B)
  - **DEL1** = 0 - 9 (switching on time delay at the insertion of the key card: see table A)
  - **M2** = no configurator
  - **DEL2** = 0 - 9 (switching off time delay after the removal of the key card: see table A)

### SCENARIO mode programming

This operation is performed to create a link between the key card switch and the scenario module. The procedure is as follows:

1. Power the key card switch. Check that the scenario module is in programming mode, with the green LED on;
2. Press and hold down programming key 1 (Learn IN) or 2 (Learn OUT) until the LED starts flashing (approximately 3 seconds);
3. Create the scenario using the system controls and actuators;
4. Once the scenario has been saved, briefly press programming key 1 (Learn IN) or 2 (Learn 2) to exit the programming status;
5. The scenario module will also have to exit programming status (see the scenario module technical information).

Cancelling the programming in SCENARIO mode:

1. Power the key card switch. Check that the scenario module is in programming mode, with the green LED on;
2. Press and hold down programming key 1 (Learn IN) or 2 (Learn 2) for 8 seconds. after 3 seconds the LED will turn on, after a further 5 seconds it will turn off again;
3. Release the key;
4. The LED flashing, followed by the LED switching off, indicates that the programming has been cancelled;
5. The scenario module will also have to exit programming status (see the scenario module technical information).

### Table A

<table>
<thead>
<tr>
<th>Configurator value</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>1 min</td>
</tr>
<tr>
<td>2</td>
<td>2 min</td>
</tr>
<tr>
<td>3</td>
<td>3 min</td>
</tr>
<tr>
<td>4</td>
<td>4 min</td>
</tr>
<tr>
<td>5</td>
<td>5 min</td>
</tr>
<tr>
<td>6</td>
<td>10 min</td>
</tr>
<tr>
<td>7</td>
<td>15 min</td>
</tr>
<tr>
<td>8</td>
<td>15 sec</td>
</tr>
<tr>
<td>9</td>
<td>30 sec</td>
</tr>
</tbody>
</table>

### Table B

<table>
<thead>
<tr>
<th>Configurator value</th>
<th>Scenario - Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sce:1=1, Sce:2=9, Gr=1</td>
</tr>
<tr>
<td>2</td>
<td>Sce:1=2, Sce:2=10, Gr=2</td>
</tr>
<tr>
<td>3</td>
<td>Sce:3=11, Gr=3</td>
</tr>
<tr>
<td>4</td>
<td>Sce:4=12, Gr=4</td>
</tr>
<tr>
<td>5</td>
<td>Sce:5=13, Gr=5</td>
</tr>
<tr>
<td>6</td>
<td>Sce:6=14, Gr=6</td>
</tr>
<tr>
<td>7</td>
<td>Sce:7=15, Gr=7</td>
</tr>
<tr>
<td>8</td>
<td>Sce:8=16, Gr=8</td>
</tr>
</tbody>
</table>

Note: 
- Sce 1 = scenario activated on insertion
- Sce 2 = scenario activated on removal
- Gr = group of actuators

### Configuration using the MyHOTEL_Suite software

This is performed using the appropriate MyHOTEL_Suite application. This mode has the advantage of offering many more options when compared with the physical configuration. The software configuration requires Ethernet connection between the system and the PC, through the IP MH201 scenario module.

### Ethernet connection to the system

**Ethernet connection to the system**

**Switch Layer 3**

**PC for configuration**

**Scenario group**

- **1**: Programming key: Learn IN
- **2**: Programming key: Learn OUT
- **3**: LED
DND and MUR flush mounted control
BUS-SCS

**Description**
Flush mounted control for installation inside the room, for the activation of the “Do Not Disturb” or “Make Up Room” notifications on the indicator outside the door. The device can be configured in two different ways:
- Physical configuration, by inserting the configurators in the appropriate housings.
- Configuration using the MyHOTEL_Suite software, which can be downloaded from the website www.homesystems-legrandgroup.com; this last type of configuration has the advantage of offering many more options when compared with the physical configuration.

**Technical data**
- Power supply from SCS BUS: 18 – 27 Vdc
- Absorption: max. 7.5 mA
- Operating temperature: 5 – 40 °C

**Standards, Certifications, Marks**
EN 60669-2-1
EN 50090-2-2
EN 50090-2-3
EN 50428

**Dimensional data**
Size: 2 flush mounted modules

**Legend**
1. LED adjustment/disable pushbutton
2. LED:
   - AXOLUTE/ARTEOR/CÉLIANE: BLUE: message not active
   - PURPLE: message active
   - LIVINGLIGHT: GREEN: message not active
   - ORANGE: message active
3. Clamps for connection to the SCS BUS
4. Configurator socket
**DND and MUR flush mounted control**

**BUS-SCS**

**Physical configuration**

- R1
- R2
- M

R1, R2 = Room address (R1 identifies the tenths; R2 identifies the units)

M = 0 DND and MUR active - 2 x 1 module key covers

M = 1 DND control only - 1 double key cover

**LED brightness adjustment**

- 30%
- 60%
- 100%

**Configuration using the MyHOTEL_Suite software**

This is performed using the appropriate MyHOTEL_Suite application. This mode has the advantage of offering many more options when compared with the physical configuration. The software configuration requires Ethernet connection between the system and the PC, through the IP MH201 scenario module.

**Ethernet connection to the system**
Outside the door indicator
BUS-SCS

**Description**

Outside the door indicator with “Do Not Disturb” or “Make Up Room” notifications; it also has a call bell pushbutton and white backlit notification to indicate if someone is in the room, and the presence of alarm conditions.

If the DND function is active, the call pushbutton is disabled.

The white backlight switch on function can be configured for operating in different modes. See the physical configuration section “L configurator”.

The “Visual alarm notification” function outside the door is only available for systems with the MH201 device installed, and its programming is only possible using the MyHOTEL_Suite software.

This function is only available for devices with lot number 14w40 or later.

The device can be configured in two different ways:
- **Physical configuration**, by inserting the configurators in the appropriate housings.
- **Configuration using the MyHOTEL_Suite software**, which can be downloaded from the website www.homesystems-legrandgroup.com; this last type of configuration has the advantage of offering many more options when compared with the physical configuration.

**Technical data**

- Power supply from SCS BUS: 18 – 27 Vdc
- Stand-by absorption: 10 mA
- Relay contact (activated by the front pushbutton): 12 Vac/dc – 230 Vac
- 1A max
- Operating temperature: 5 – 40 °C

**Standards, Certifications, Marks**

- EN 60669-2-1
- EN 50491-5-1
- EN 50428

**Dimensional data**

- Size: 2 flush mounted modules

**Legend**

1. DND indicator (red LED on = DO NOT DISTURB)
2. MUR indicator (green LED on = MAKE UP ROOM)
3. Call pushbutton
4. Room number customisable and backlit area with white notification for: guest in the room and alarm notification
5. Configurator socket
6. Clamps for connection to the SCS BUS
7. NO contact for the activation of the bell. The contact is controlled by the front pushbutton

---

15/01/2015
Outside the door indicator
BUS-SCS

**Physical configuration**

- **R1, R2** = Room address (R1 identifies the tenths; R2 identifies the units)

- **M** = 0 for use together with F420
- **M** = 1 for use together with MH200N
- **M** = 2 for use together with MH201

**L** = LED functions

<table>
<thead>
<tr>
<th>L CONFIGURATOR</th>
<th>WHITE BACKLIGHTING LED</th>
<th>RED DND LED</th>
<th>GREEN MUR LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>ON: occupied OFF: free</td>
<td>Enabled</td>
<td>Enabled</td>
</tr>
<tr>
<td>1</td>
<td>ON: occupied OFF: free</td>
<td>Enabled</td>
<td>Enabled</td>
</tr>
<tr>
<td>2</td>
<td>ON: free OFF: occupied</td>
<td>Enabled</td>
<td>Disabled</td>
</tr>
<tr>
<td>3</td>
<td>ON: free OFF: occupied</td>
<td>Enabled</td>
<td>Disabled</td>
</tr>
<tr>
<td>4</td>
<td>Always ON</td>
<td>Enabled</td>
<td>Enabled</td>
</tr>
<tr>
<td>5</td>
<td>Always ON</td>
<td>Enabled</td>
<td>Disabled</td>
</tr>
<tr>
<td>6</td>
<td>Always OFF</td>
<td>Enabled</td>
<td>Enabled</td>
</tr>
<tr>
<td>7</td>
<td>Always OFF</td>
<td>Enabled</td>
<td>Disabled</td>
</tr>
</tbody>
</table>

**Configuration using the MyHOTEL_Suite software**

This is performed using the appropriate MyHOTEL_Suite application. This mode has the advantage of offering many more options when compared with the physical configuration. The software configuration requires Ethernet connection between the system and the PC, through the IP MH201 scenario module.

**Ethernet connection to the system**

**Wiring diagrams**

Room 127 bell control diagram
The bell is active while the relevant key on the device is pressed.
Outside the door indicator with “Do Not Disturb” or “Make Up Room” notifications, call bell pushbutton, RFID key card reader (Mifare classic ISO 14443), white backlit notification to indicate if someone is in the room, and the presence of alarm conditions.

The white backlight switch on function can be configured for operating in different modes. See the physical configuration section “L configurator”.

The “Visual alarm notification” function outside the door is only available for systems with the MH201 device installed, and its programming is only possible using the MyHOTEL_Suite software.

This function, and the compatibility with the Mifare classic ISO 14443 key card, including 3547 key cards, are only available for devices with lot number 14w40 or later.

The device can be configured in two different ways:
- **Physical configuration**, by inserting the configurators in the appropriate housings.
- **Configuration using the MyHOTEL_Suite software**, which can be downloaded from the website www.homesystems-legrandgroup.com; this last type of configuration has the advantage of offering many more options when compared with the physical configuration.

### Technical data

- **Power supply from SCS BUS:** 18 – 27 Vdc
- **Absorption:**
  - in Stand-by: 10 mA
  - with relay active: 20 mA
  - max. with RFID: 55 mA
- **Relay contact (activated by the front pushbutton):** 12 Vac/dc – 230 Vac
- **1A max**
- **Operating temperature:** 5 – 40 °C

### Standards, Certifications, Marks

- EN 60669-2-1
- EN 50491-5-1
- EN 50428

### Dimensional data

- **Size:** 2 flush mounted modules

---

**Legend**

1. **DND indicator** (red LED rosso on = DO NOT DISTURB)
2. **Green LED on** = reading OK
   
   Red LED on = reading error

   LED flashing = stand alone mode key card programming
3. **MUR indicator** (green LED on = MAKE UP ROOM)
4. **Call pushbutton** (it activates the internal relay)
5. **RFID key card reader**
6. **Room number customisable and backlit area with white notification for:** guest in the room and alarm notification
7. **Configurator socket**
8. **Clamps for connection to the SCS BUS**
9. **NO relay contact; the relay can be used to control:**
   - bell
   - electric door lock
   - The relay is activated by the front pushbutton.
RFID reader and outside the door indicator
BUS SCS

**Physical configuration**

1. **R1**, **R2** = Room address (R1 identifies the tenths; R2 identifies the units)
2. **M** = 0 for use together with F420
   - **M** = 2 for use together with MH201
3. **L** = LED functions
4. **A**, **PL** = door lock actuator SCS address
5. **T** = door lock relay timer

<table>
<thead>
<tr>
<th>L CONFIGURATOR</th>
<th>WHITE BACKLIGHTING LED</th>
<th>RED DND LED</th>
<th>GREEN MUR LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>ON: occupied OFF: free</td>
<td>Enabled</td>
<td>Enabled</td>
</tr>
<tr>
<td>1</td>
<td>ON: occupied OFF: free</td>
<td>Enabled</td>
<td>Disabled</td>
</tr>
<tr>
<td>2</td>
<td>ON: free OFF: occupied</td>
<td>Enabled</td>
<td>Enabled</td>
</tr>
<tr>
<td>3</td>
<td>ON: free OFF: occupied</td>
<td>Enabled</td>
<td>Disabled</td>
</tr>
<tr>
<td>4</td>
<td>Always ON</td>
<td>Enabled</td>
<td>Enabled</td>
</tr>
<tr>
<td>5</td>
<td>Always ON</td>
<td>Enabled</td>
<td>Disabled</td>
</tr>
<tr>
<td>6</td>
<td>Always OFF</td>
<td>Enabled</td>
<td>Enabled</td>
</tr>
<tr>
<td>7</td>
<td>Always OFF</td>
<td>Enabled</td>
<td>Disabled</td>
</tr>
</tbody>
</table>

**Configuration using the MyHOTEL_Suite software**

This is performed using the appropriate MyHOTEL_Suite application. This mode has the advantage of offering many more options when compared with the physical configuration. The software configuration requires Ethernet connection between the system and the PC, through the IP MH201 scenario module.

**Ethernet connection to the system**

<table>
<thead>
<tr>
<th>Configurator</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>½ sec</td>
</tr>
<tr>
<td>1</td>
<td>1 sec</td>
</tr>
<tr>
<td>2</td>
<td>2 sec</td>
</tr>
<tr>
<td>3</td>
<td>3 sec</td>
</tr>
<tr>
<td>4</td>
<td>4 sec</td>
</tr>
<tr>
<td>5</td>
<td>5 sec</td>
</tr>
<tr>
<td>6</td>
<td>6 sec</td>
</tr>
<tr>
<td>7</td>
<td>7 sec</td>
</tr>
<tr>
<td>8</td>
<td>8 sec</td>
</tr>
<tr>
<td>9</td>
<td>9 sec</td>
</tr>
</tbody>
</table>
RFID reader and outside the door indicator
BUS SCS

### Stand-alone mode key card programming

#### Master key card programming
If no master key card has been programmed, at the first start up the DND & MUR indicator accepts all the key cards.

To start the Master key card programming procedure press the call pushbutton for 10 seconds and then move the key card close to the reader; this key card will be saved as Master.

The programming of the Master key card cannot be changed; however the device can be reset as follows:

- Disconnect the power supply from the device.
- Reconnect the power supply while pressing the call pushbutton for 10 seconds.

**NOTE:** this procedure deletes all the key cards saved by the device.

#### Customer key card programming
- Move the Master key card close to the reader; the green LED starts flashing slowly.
- Move the customer key card to save close to the reader, the green LED stays on steady for two seconds.
- Press the call pushbutton to end the operation (the green LED goes off).

#### Deleting all the saved customer key cards
- Move the Master key card close to the reader; the green LED starts flashing slowly.
- Move the key card close to the reader again, the green LED starts flashing quickly.
- Move the key card close to the reader a third time, the green LED comes on steady for five seconds before switching off.

#### Service key card programming
- Move the Master key card close to the reader; the green LED starts flashing slowly.
- Press the call pushbutton; the LED starts flashing orange.
- Move the service key card to save close to the reader, the orange LED stays on steady for two seconds.
- Press the call pushbutton to end the operation (the orange LED goes off).

#### Deleting all the service key cards
- Move the Master key card close to the reader; the green LED starts flashing slowly.
- Press the call pushbutton; the LED starts flashing orange.
- Move the Master key card close to the reader again, the LED starts flashing quickly.
- Move the key card close to the reader a third time, the orange LED comes on steady for five seconds before switching off.

### Programming the key card using the PC and the software

Programming key cards using the PC and the relevant software provides further functions in addition to the basic ones available in stand-alone mode programming: validity settings, guest information, scheduled accesses...

This procedure is only possible using item MH201.

### Wiring diagrams

#### Room 110 bell + electric door lock control diagram
The bell is activated by the front pushbutton of the reader and indicator outside the door. The electric door lock is activated for a period of 2 seconds by the reader and indicator outside the door following a positive reading of the key card.

#### Room 115 electric door lock control diagram
The electric door lock is activated for a period of 3 seconds by the RFID reader following a positive reading of the key card. In this mode the front pushbutton is disabled.
Flush mounted multifunction control, with 8 backlit keys in the centre section, where the icons indicating the functions allocated to the keys can be found. The device can be configured in two different ways:

- Physical configuration, by inserting the configurators in the appropriate housings.
- Configuration using the MyHOTEL_Suite software, which can be downloaded from the website www.homesystems-legrandgroup.com; this last type of configuration has the advantage of offering many more options when compared with the physical configuration.

Irrespective of the mode implemented, an A/PL address must always be assigned to the control.

In can be programmed in 4 operating modes:

- The self-learning mode (cyclical or non cyclical) gives the possibility of associating to each key the majority of the typical controls of the automation, sound, and video door entry (staircase lights, door lock, call to the floor, door lock and camera cycling) systems, in addition to the auxiliary controls.
- The scenario mode gives the possibility of recalling, programming and deleting 8 scenarios of a scenario module.
- The swivelling mode gives the possibility of driving 4 light points of shutters in succession (room or group).
- CEN mode gives the possibility of using the control together with scenario programmer MH200N or MH201.

<table>
<thead>
<tr>
<th>Related items</th>
</tr>
</thead>
<tbody>
<tr>
<td>3541 - 0 675 95 A5 sheets with symbol customisations, BLACK</td>
</tr>
<tr>
<td>3542 - 0 675 96 A5 sheets with symbol customisations, WHITE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply from SCS BUS: 18 – 27 Vdc</td>
</tr>
<tr>
<td>Absorption: with LEDs Off: 5 mA</td>
</tr>
<tr>
<td>with LEDs On at 100%: 20 mA</td>
</tr>
<tr>
<td>Operating temperature: 0 – 40 °C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standards, Certifications, Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 60669-2-1</td>
</tr>
<tr>
<td>EN 50090-2-2</td>
</tr>
<tr>
<td>EN 50090-2-3</td>
</tr>
<tr>
<td>EN 50428</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensional data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size: 2 flush mounted modules</td>
</tr>
</tbody>
</table>

**Legend**

1. Keys
2. Customisable labels
3. Clamps for connection to the SCS BUS
4. Configurator socket
5. Programming pushbutton for self-learning and scenario modes
8 key multifunction control
BUS SCS

Physical configuration

- A (room
- PL (light point
- M (mode (see the dedicated section)
- LED (backlight setting (see the dedicated section)

Configurator A
room address

Configurator PL
light point address

Configurator M

1) Self-learning mode M=0
This mode of operation gives the possibility of associating an individual control to any key of the device. It is possible to create, delete or modify each control. The device may be configured using any A/PL address already present in the system, or a unique key of the device. It is possible to create, delete or modify each control. The device may be configured using any A/PL address already present in the system, or a unique address not used by other devices.

Programming the keys
The procedure to associate each key to a different control is as follows:
1) Press and release the programming key on the back of the device; the backlighting LEDs will flash slowly;
2) Press the key to program within 20 seconds: the LEDs start flashing much quicker, indicating the activation of the programming mode;
3) Set the control to associate to the key using the controls and/or the corresponding actuator; the LEDs will start flashing slowly;
4) At this point it is possible to repeat points 2 and 3 for all the keys, including those that have already been associated, to change their association association;
5) Quickly press the programming pushbutton, or wait 20 seconds to exit the programming procedure.

Cancelling the programming of the keys
1) Press and release the programming key; the backlight LEDs will flash slowly:
2) Within 20 seconds press and hold down for 4 seconds the key to cancel; from now on the key cancelled will no longer activate any control until programmed again;
3) The LEDs come on at full power for 4 seconds, after which it will be possible to repeat point 2 to cancel the programming of other keys;
4) Press and quickly release the programming pushbutton, or wait 20 seconds to exit the programming procedure.

NOTE: To delete the programming of all the keys at the same time, press and quickly release the programming key; the LEDs start flashing slowly; press and hold down again for 10 seconds the pushbutton on the back: the LEDs come on for approximately 4 seconds, confirming the cancellation of all programming.

2) Non-cyclical self-learning mode M=6
This mode is a variation of the self-learning mode (M=0), where, however, the keys never operate cyclically. Therefore, if for example the ON of an actuator or dimmer is acquired, the pair of keys is automatically configured to switch on, or increase the intensity level, for the left key, and switch off, or decrease the intensity level, for the right key. If, on the other hand, a single function is learnt (e.g. recalling of a scenario), the other key of the pair remains without function, or retains the previous function. The device may be configured using any A/PL address already present in the system, or a unique address not used by other devices.

3) Scenario module M = 1 – 2
This operating mode can only be used if the system includes a scenario module F420; the matching is achieved by assigning to both the items the same address, identified by A=0-9 and PL=1-9. The user can create, cancel, or modify the scenarios found in the scenario module, and can recall them using the keys.

The procedure gives the possibility of saving up to 16 scenarios using two devices.

The following table shows the correspondence between the number of the scenario saved in the scenario module, and the keys of the control in the possible configurations:

<table>
<thead>
<tr>
<th>Key number</th>
<th>M=1</th>
<th>M=2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key 1</td>
<td>Scenario 1</td>
<td>Scenario 9</td>
</tr>
<tr>
<td>Key 2</td>
<td>Scenario 2</td>
<td>Scenario 10</td>
</tr>
<tr>
<td>Key 3</td>
<td>Scenario 3</td>
<td>Scenario 11</td>
</tr>
<tr>
<td>Key 4</td>
<td>Scenario 4</td>
<td>Scenario 12</td>
</tr>
<tr>
<td>Key 5</td>
<td>Scenario 5</td>
<td>Scenario 13</td>
</tr>
<tr>
<td>Key 6</td>
<td>Scenario 6</td>
<td>Scenario 14</td>
</tr>
<tr>
<td>Key 7</td>
<td>Scenario 7</td>
<td>Scenario 15</td>
</tr>
<tr>
<td>Key 8</td>
<td>Scenario 8</td>
<td>Scenario 16</td>
</tr>
</tbody>
</table>

Programming a scenario with the F420 module
For the programming of the scenario, the procedure is as follows:
1) The F420 scenario module must be configured with self-learning enabled (it is necessary to press the self-learning key so that the corresponding LED turns green; if the LED is red, self-learning is disabled);
2) Press and release the programming key on the back of the multifunction control; the LEDs start flashing slowly (1 sec. ON and 1 sec. OFF);
3) Within 20 seconds press the key corresponding to the scenario to program on the multifunction control; its LEDs start flashing quickly, indicating the activation of the programming mode;
4) Set the scenario, using the controls and/or actuators of the system;
5) Press the programming key of the multifunction control again to exit programming and complete the procedure: the LEDs start flashing slowly again; it is now possible to repeat points 2, 3, and 4 for all the scenarios; the same procedure must also be used to change the scenarios already set;
6) Press and quickly release the self-learning pushbutton on the F420 module, or wait 20 seconds to complete the procedure (red LED on).
Deleting a scenario
To delete the scenario, the procedure is as follows:
1) The F420 scenario module must be in configuration mode with self-learning enabled;
2) Press and release the programming key of the multifunction control; the LEDs start
flashing slowly (1 sec. ON and 1 sec. OFF);
3) Within 20 seconds press and hold down for 4 seconds the key of the scenario to be
cancelled on the multifunction control;
4) The LEDs flash quickly for 4 seconds, after which it will be possible to repeat point 2 to
delete the other programming.
5) Press and quickly release the programming pushbutton on the back of the control, or
wait 20 seconds to exit the deleting procedure.
NOTE: to reset the whole memory, it will be necessary to directly act on the
scenario module: press “DEL” for ten seconds, after enabling the scenario module for
programming.

4) Swivelling modes M=0/1; ↑↓; ↑↓M
These modes ensure quick installation without the need for further learning, or
scenario modules, enabling the control of 4 light points or shutters with consecutive
addresses.
The A PL address is the light point or shutter controlled by the first pair of keys (the
keys are paired horizontally), the subsequent pairs controls the subsequent light points
or shutters.
If the Amb or Gr configurators are connected to A, in the same way, the 4 pairs of
keys control consecutive rooms or groups starting from the one indicated by the PL
configurator.

Possible function
Value of M configurator

ON/OFF control: On control with the left key, Off control
with the right key. For point-to-point controls the key perform the On/Off
function with a short pressure and the adjustment with an extended pressure: for the other
controls, only On/Off are performed. 0/I

Control (UP/DOWN for shutters): up and down control,
until fully open or closed. ↑↓

Monostable control (UP/DOWN for shutters): up and
down control, for the time the key is pressed. ↑↓M

5) Scenario programmer mode, M=CEN
The matching between a scenario configured in the scenario programmer MH200N or
MH201, and the corresponding controls keys of the multifunction control, is completed
during the programming of the scenario itself using the dedicated software.
Always assign to the control a unique A/PL address on the system (it must not be
used by any other device installed on the BUS); the A=0, PL=0 configuration is not
acceptable. This operating mode can only be used if the system includes a scenario
programmer (MH200 or MH201).

LED configurator
Setting the backlight intensity
The configurator in the LED housing gives the possibility of setting the backlight at the
desired level; see table:

<table>
<thead>
<tr>
<th>LED configurator</th>
<th>Brightness level</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>default setting = 30%</td>
</tr>
<tr>
<td>1</td>
<td>level 10%</td>
</tr>
<tr>
<td>2</td>
<td>level 15%</td>
</tr>
<tr>
<td>3</td>
<td>level 20%</td>
</tr>
<tr>
<td>4</td>
<td>level 25%</td>
</tr>
<tr>
<td>5</td>
<td>level 30%</td>
</tr>
<tr>
<td>6</td>
<td>level 40%</td>
</tr>
<tr>
<td>7</td>
<td>level 50%</td>
</tr>
<tr>
<td>8</td>
<td>level 60%</td>
</tr>
<tr>
<td>9</td>
<td>level 80%</td>
</tr>
<tr>
<td>OFF</td>
<td>level OFF</td>
</tr>
<tr>
<td>ON</td>
<td>level 100%</td>
</tr>
</tbody>
</table>

Configuration using the software in a typical hotel system
This is performed using the appropriate MyHOTEL_Suite application. This mode has
the advantage of offering many more options when compared with the physical
configuration. The software configuration requires Ethernet connection between the
system and the PC, through the IP MH201 scenario module.

Ethernet connection to the system

---
The IP scenario module is a device of the Hotel range for the management of the room and the common areas. One MH201 must be used for each room or common area. For systems with over 100 rooms, or common areas, the IP Server F458 device must also be used.

It's main functions are:

- **Key card management:**
  1) **room access management (key cards saved).** Using the supervision software, it is possible to manage the saving of the key cards (if the external reader is present) used for opening the door with two different profiles (Users or Service). For each key card saved, it is possible to associate a validity end date, 3 access time profiles, and a maximum number of accesses. The date of validity can only be associated for user key cards, not for service ones. The access time profiles and the maximum number of accesses can only be associated to common areas. For more details refer to the supervision software manual.

- **Management of the room functions:**
  1) **MAKE UP ROOM.** If inside the room MUR is pressed on the appropriate control (LN4653-H4653-0 675 93), the IP scenario module updates the notification to all the display units (LN4651-H4651-0 675 91), also notifying the event occurred to the supervision software. Using the CEN operating mode, also other devices can send MUR notifications.
  2) **DO NOT DISTURB.** If inside the room the DND key is pressed on the appropriate control (LN4653-H4653-0 675 93), the IP scenario module updates the notification to all the display units (LN4651-H4651-0 675 91), also notifying the event occurred to the supervision software. Using the CEN operating mode, also other devices can send MUR notifications.
  3) **Room alarms.** If an alarm is activated (e.g. bathroom pull cord), the device notifies the supervision software, from where it will then be reset. If enabled, the notification will also be sent to the display outside the door.
  4) **Management of the room contacts.** Technical contact for forwarding information and alarm notifications to the supervision software (e.g. window or refrigerator door open).
  5) **Remote thermostat contact.**
  6) **Presence management.** The presence of someone in the room is notified by the key card switch (LN4849-H4648-0 675 66-05 727 36-05 722 36); the IP scenario module sees the notification and forwards it to all the notifying units (LN4651-H4651-0 675 91), and to the supervision software.

- Gateway for the configuration of the devices installed inside the room. The IP scenario module performs the gateway function to enable the configuration of the devices installed inside the room using the MyHOTEL_Suite.
- Communication with the supervision software.
- Scenario management. The device can manage up to 50 scenarios as follows:
  a) 5 start triggers.
  b) 1 stop trigger.
  c) 1 condition "IF".
  d) 10 actions.

The scenarios are saved using the MyHOTEL_Suite software.
- Management of lights as memory module. The device follows the status of the actuators, and if no network is detected, the status is reset.
- It saves the events occurred inside the room in a log that can be downloaded using the supervision software.
IP scenario module
BUS-SCS

Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>18 – 27 Vdc</td>
</tr>
<tr>
<td>Absorption</td>
<td>30 mA</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>5 – 40 °C</td>
</tr>
</tbody>
</table>

Standards, Certifications, Marks

EN 60669-2-1
EN 50491-5-1
EN 50428

Dimensional data

Size: 1 DIN module

Configuration

The configuration of the scenarios can be completed using the “MyHOTEL_Suite” software.
It is possible to save up to 50 scenarios.
Always using the software, it is possible to change the basic settings of the device:
- Name: max. 16 characters
- Open Password: default 12345 (max 9 characters)

Putting into operation

Pressing the pushbutton until it starts flashing green will set the configuration of the device with the fixed IP address: IP 192.168.1.5, Subnet Mask 255.255.255.0
Typical wiring diagram (for programs with over 100 rooms or common areas refer to the technical guide)

3rd Floor

Switch layer 3

To the floor services

Switch layer 3

To the other floors

2nd Floor

Switch layer 3

To the floor services

Switch layer 3

To the other floors

1st Floor

Switch layer 3

To the floor services

Switch layer 3

To the other floors

Reception

Ethernet network

PC = software for room management

USB cable

To the floor services

To the other floors
**Scenario Module**

**Description**
Up to 16 scenarios may be saved in the scenario module, with up to 100 controls each. The scenarios can also give door entry and video door entry controls for one-family systems to switch on the staircase lights and open the door lock. If installed in large systems with gateway F422 in logical expansion, the module can save automation controls for the system where it is installed. On the front cover of the item there are two keys and two LEDs. The first pushbutton (padlock) locks or unlocks the programming procedure avoiding involuntary operations such as cancelling the scenarios and the corresponding LED indicates the status: **green** programming possible, **red** programming blocked, **amber** temporary block. The second pushbutton (DEL) cancels all the scenarios, the LED underneath indicates that the cancellation has taken place or that the device is performing the learning procedure.

**Technical data**
- Power supply via SCS BUS: 27 Vdc
- Operating power supply with SCS BUS: 18 – 27 Vdc
- Current draw: 20 mA
- Operating temperature: 0 – 40°C
- Size: 2 DIN modules

**Legend**
1. Scenario cancellation pushbutton
2. Scenarios/learning reset LED
3. Configurator socket
4. BUS
5. Programming status LED
6. Lock/unlock programming pushbutton
If the device is installed in a My Home system it can be configured in two ways:
- PHYSICAL CONFIGURATION, inserting the configurators in position.

For a list of the procedures and their meanings, please refer to the instructions in this sheet and to the “Function Descriptions” help section in the MyHOTEL_Suite software package.

The combination of the scenario module with a control device is ensured by assigning to both items the same address. This is identified by the configurators with a numeric value for position A = 0-9 and position PL = 1-9. Several scenario modules may be installed in one system, allocating a different address to each module.

### Scenario programming

In order to program, change or cancel a scenario, it is necessary to enable the programming mode of the Module item F420 so that the status LED is green (press the lock/unlock key on the Scenario Module for at least 0.5 seconds); continue with the following operations:

1) Press one of the four scenario control keys the scenario should be paired with for 3 seconds. The corresponding LED starts flashing.
2) Set the scenario using the corresponding controls for the various Automation, Temperature control, Sound system, etc. functions.
3) Confirm the scenario by quickly pressing the corresponding key on the control to exit programming mode.
4) To change or create new scenarios to be linked to the other keys, repeat the procedure starting from point 1.

To recall an already set scenario, briefly pressing the corresponding button on the control is enough.

If the module does not receive any input for 30 minutes from the start of the learning procedure, programming will automatically be interrupted. If you want to delete a scenario completely, press and hold down the corresponding button for approximately 10 seconds. To erase the entire memory keep the DEL pushbutton on the Scenario module pressed for 10 seconds, the yellow “reset scenarios” LED flashes quickly. Once the operations have been performed lock the programming by pressing the lock/unlock pushbutton for at least 0.5 seconds, so that the corresponding LED becomes red.

**NOTES:**

Inside the system itself one Scenario module can be programmed at a time as the other devices are temporarily locked; during this phase the “programming status” LED becomes orange signalling the temporary Lock. During the learning procedure and when there are timed controls or group controls, the Scenario module does not save events for 20 seconds. You must thus wait before continuing with creating the scenario. During the scenario learning procedure only the changes of status are saved. It is important to configure the scenario module with a different A and PL address to that of an actuator. If the configuration is wrong the Programming status LED flashes ORANGE. In case of “virtual” configuration the LED flashes RED.

---

### 1.1 Addressing

<table>
<thead>
<tr>
<th>Address type</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-point</td>
<td>Room 0-9</td>
<td>A = 0-9</td>
</tr>
<tr>
<td>Lighting point</td>
<td>1-9</td>
<td>PL = 1-9</td>
</tr>
</tbody>
</table>
**BUS-SCS server IP**

**Description**
The server IP device is part of the devices of the hotel offer and must be used when designing or installing systems with over 100 rooms, or areas with over 100 MH201 installed.

**Default configuration**
Network configuration IP = 192.168.1.51
Netmask: 255.255.255.0
DHCP and DNS default range
in the “MyHOTEL_Suite” software vers. 2.0.91: 192.168.1.52 – 192.168.5.49
Password OPEN: 12345

**Technical data**
- Power supply: 18 – 30 Vdc
- Absorption: 55 mA max
- Minimum consumption: 1.3 W
- Maximum consumption: 3.3 W
- Holding Date and time without power supply: 48 hours
- Operating temperature: 5 – 45 °C

**Standards, Certifications, Marks**
- EN 60669-2-1
- EN 50491-5-1
- EN 50428

**Dimensional data**
- Size: 6 DIN modules

**Configuration**
The device must be configured using the “MyHOTEL_Suite” software.

**Legend**
1. RJ45 connector for Ethernet LAN 10/100 Mbit
2. Mini-USB connector for the configuration using the PC and software update
3. LED notifications
   - System LED: it comes on when connecting the power supply, and then it goes off.
   - When it later comes back on steady, it means that the device is working correctly
   - Speed LED: speed of connection to the network:
     - ON = 100 Mbit
     - OFF = 10 Mbit
   - Link LED: when on, it indicates that the Ethernet network has been found
4. Power supply connection clamps (recommended 346020)
Typical diagram of a system with less than 100 areas (rooms + common areas) and one supervision PC.
Typical diagram of a system with 100 to 500 areas (rooms + common areas) and one supervision PC.
Wiring diagrams

Typical diagram of a system with up to 500 areas (rooms + common areas) and up to 10 supervision PCs.
Thermostat with display

Description
Thermostat with display for the control of the room temperature in temperature control systems.
This device can be used both if a temperature control central unit is present or not present; when appropriately configured it can be used as:
- MyHOTEL temperature control system probe;
- Hotel room thermostat;
- Residential system thermostat.
It has 4 keys that can be used to select the desired temperature and the various operating modes; when used with fan-coils it can manage the fan speed.
The thermostat can manage different operating modes: both automatic and manual, in addition to the Eco, Comfort, Antifreeze/Thermal protection, and OFF.
It can also be used in mixed heating/cooling systems, if the two functions are available at the same time on the same system.
A contact is also available on the back of the device, to change the operating mode of the thermostat (e.g. window contact, summer/winter switching, etc.).

Technical data
Power supply from SCS BUS: 18 – 27 Vdc
Absorption:
- 14 mA with display off
- 16 mA with low brightness display
- 30 mA with high brightness display
Operating temperature: 0 – 40 °C
Size: 2 module flush mounted
Recommended installation height: 150 cm from the ground
Controllable loads: On/Off, Open/Close, 3-point or 0-10V valves.
2-tube and 4-tube fan-coils with On/Off, 3-point, or 0-10V valves.
Gateway Climaveneta.
Fil Pilote.

Correlated devices
The thermostat must be used with the following actuator devices:
- F430/2: ON/OFF relay actuator;
- F430/4: ON/OFF 4-relay actuator;
- F430R8: ON/OFF 8-relay actuator;
- F430R3V10: ON/OFF 3-relay actuator with 2 x 0-10V outputs;
- F430V10: actuator with 2 x 0-10V outputs;
- F430FP: actuator for Fil Pilote devices

Legend
1. Heating function
2. Cooling function
3. Operating mode icons
4. MODE key: a short pressure changes the mode of operation of the device; an extended pressure (unless used as MyHOTEL probe) changes the function
5. + key: increase the set value
6. – key: decrease the set value
7. FAN key: set the fan coil speed on 3 levels + automatic
8. Heating/cooling on indicator
9. Fan coil speed indicator, 3 levels
10. Fan coil in automatic mode indicator
11. Measured (thermometer symbol on) / set (thermometer symbol off) temperature indicator
12. Unit of measure: °C or °F
13. Configurator socket
14. BUS connection
15. Local contact
**Configurations**

The thermostat can be configured:
- Through physical configuration, by connecting the configurators to the appropriate housings on the back of the device. This quick mode is ideal for basic functions, and gives the possibility of setting, in addition to the zone address, also a heating load, a cooling load, up to 2 system pumps, and a quick function for the remote contact.
- Using MyHOTEL_Suite (*), where a dedicated wizard will guide the user through the procedure for correctly configuring the device. The MyHOTEL_Suite software gives the possibility of customising the device and provides a higher degree of functionality, such as:
  - The possibility of changing some default parameters (select the unit of measure for the temperature, change the permitted operating temperature, manage the backlighting level, disable some device pushbuttons, etc.).
  - Configure a higher number of loads (up to 9 heating and/or cooling actuators and 9 pumps), and assign slave probes (max. 9).
  - Enable advanced functions, like automatic switching between heating and cooling.
  - Manage dedicated fan-coil settings (e.g. fan speed change threshold settings, or fan activation delay, etc.).
- Set a delay or a timeout for the actions generated by the status change of the remote contact (in addition to allowing a higher number of combinations than through the physical configuration).

**1.1 ADDRESSING**

By connecting two configurators with value 0-9 in the ZA and ZB sockets, it is possible to set the device address. The controlled actuators will have to be configured with the same address.

<table>
<thead>
<tr>
<th>Socket/Function</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZA/ZB Zone address</td>
<td>from 01 to 99</td>
</tr>
</tbody>
</table>

**1.2 OPERATING MODE**

By configuring the positions TYPE, HEAT, COOL, PUMP and IN, it is possible to set the desired operating modes and the types of loads to manage.

<table>
<thead>
<tr>
<th>Parameter/setting</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MyHOTEL temperature control system probe (*)</td>
<td>0</td>
</tr>
<tr>
<td>Hotel room thermostat</td>
<td>1</td>
</tr>
<tr>
<td>Residential system thermostat</td>
<td>2</td>
</tr>
</tbody>
</table>

(1) If the device is used as a MyHOTEL system probe with temperature control central unit, the subsequent positions HEAT, COOL, and PUMP must not be configured. The settings for actuators and pumps will be defined directly from the central unit menu.

<table>
<thead>
<tr>
<th>Parameter/setting</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAT= Heating load. Configure the corresponding actuator with N=1.</td>
<td></td>
</tr>
<tr>
<td>COOL= Cooling load. For the configurations from 1 to 9 configure the corresponding actuator with N=2. In case of CEN configurator the actuator will be N=1.</td>
<td></td>
</tr>
</tbody>
</table>

**PUMP= Number and types of pumps to control**

<table>
<thead>
<tr>
<th>Parameter/setting</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>No device</td>
<td>0</td>
</tr>
<tr>
<td>Pump with N=1 For heating (*)</td>
<td>1</td>
</tr>
<tr>
<td>Pump with N=2 For cooling</td>
<td>2</td>
</tr>
<tr>
<td>Pump with N=1 For heating + pump with N=2 For cooling (*)</td>
<td>3</td>
</tr>
<tr>
<td>Pump with N=1 For both heating and cooling (*)</td>
<td>4</td>
</tr>
</tbody>
</table>

(2) in case of common heating/cooling load, the configurator set in the HEAT position will have to be different from 0 (no device) or 5 (Fil Pilote).

<table>
<thead>
<tr>
<th>Contact status/function</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPEN</td>
<td>CLOSED</td>
</tr>
<tr>
<td>Contact disabled Contact disabled</td>
<td>0</td>
</tr>
<tr>
<td>Thermal protection Return to the previous status</td>
<td>1</td>
</tr>
<tr>
<td>OFF Return to the previous status</td>
<td>2</td>
</tr>
<tr>
<td>ECO Return to the previous status</td>
<td>3</td>
</tr>
<tr>
<td>COMFORT Return to the previous status</td>
<td>4</td>
</tr>
<tr>
<td>Switch to heating (*) Switch to cooling</td>
<td>5</td>
</tr>
</tbody>
</table>

(4) This function cannot be selected when the device is used as probe in MyHOTEL systems with temperature control central unit.

Note (*): - software downloadable from the website www.homesystems-legrandgroup.com; - the functions are available from version 1.3.
Contact interface in DIN module

**Description**

This device lets you integrate traditional control devices (switches, pushbuttons, etc.) in advanced systems with BUS operating logic.

Therefore, it is possible to extend the use of the Lighting Management system in rooms where traditional systems are already present or in historic and prestigious rooms whereby the complete or partial remaking of the electric system would entail heavy masonry work. The old but valuable switch with its no longer compliant wiring can therefore continue to be used with it, as the connection to the load to be controlled is carried out safely by connecting it with its respective interface with no-voltage contact.

Contact N1 controls light point PL1, contact N2 controls light point PL2.

It is possible to connect:
- Two N/O (normally open) and N/C (normally closed) traditional switches or buttons;
- A switch.

The device is fitted with 2 LEDs to signal contact closure, programming/deletion, and the status of the control devices.

**Technical data**

- **Power supply via SCS BUS:** 27 Vdc
- **Operating power supply with SCS BUS:** 18 – 27 Vdc
- **Current draw:** 9 mA
- **Dissipated power with max. load:** 0.2 W

**Dimensions**

- **Size:** 2 DIN modules

**Configuration**

If the device is installed in a My Home system it can be configured in two ways:
- PHYSICAL CONFIGURATION, inserting the configurators in position.
- Configuration via MyHOTEL_Suite software package, downloadable from www.homesystems-legrandgroup.com; this mode has the advantage of offering many more options than the physical configuration.

For a list of the procedures and their meanings, please refer to the instructions in this sheet and to the "Function Descriptions" help section in the MyHOTEL_Suite software package.

When used as a component of the Lighting Management system, use the specific types of configuration (Plug&go, Project&Download).

The interface consists of two independent control units, which are identified with the positions PL1 and PL2 in the physical configuration and the term Module 1 and Module 2 in the MyHOTEL_Suite virtual configuration. The two units can send:
- commands to two actuators for two independent loads (On, Off or adjustment) identified with the address PL1 and PL2 and the mode specified in M or;
- a command to the F420 scenario module;
- a double command intended for a single load (motor for blinds Up-Down, curtains Open-Close) identified with the address PL1=PL2 and specified Configuration mode M.

The interface has an LED for indicating proper operation and three terminals for connection to traditional devices such as:
- two N/O (normally open) and N/C (normally closed) traditional switches or buttons;
- a switch.

**List of Functions**

The device performs the following functions:

1. **LIGHT SWITCH**
2. **AUTOMATION CONTROL**
3. **DEVICE LOCKING/UNLOCKING**
4. **SCENARIO MODULE CONTROL**
5. **PROGRAMMED SCENARIO ACTIVATION**
6. **PLUS LIGHTING MANAGEMENT SCENARIO ACTIVATION**
7. **PLUS PROGRAMMED SCENARIO ACTIVATION**
8. **SOUND SYSTEM CONTROL**

See the following pages for the configuration procedures.
The interface includes two independent control units, identified with positions N1 and N2. The two units can send:
- Commands to two actuators for two independent loads (On, Off or adjustment) identified with the address PL1 and PL2 and the mode specified in M or;
- A command to the F420 scenario module;
- A double command intended for a single load (motor for rolling shutter Up/Down, Open/Close curtains) identified with the address PL1 = PL2 and mode specified M.

### Function selection

To configure the contact numbers use MyHOTEL_Suite virtual configuration

### 1. Light switch

#### 1.1 Addressing

<table>
<thead>
<tr>
<th>Address type</th>
<th>Room</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-point</td>
<td>0-10</td>
<td>A=1-9</td>
<td>A=1-9</td>
</tr>
<tr>
<td>Lighting point</td>
<td>0-15</td>
<td>PL1, PL2=0-9</td>
<td>A=AMB</td>
</tr>
<tr>
<td>Room</td>
<td>0-10</td>
<td></td>
<td>A=GR</td>
</tr>
<tr>
<td>Group</td>
<td>1-255</td>
<td></td>
<td>A=GEN</td>
</tr>
<tr>
<td>General</td>
<td>General</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

With the virtual configuration, for the room, group and general controls, you can set a light point address for the return of the load status. You can also configure the "Installation level" and the "Destination level".

#### 1.2 Mode

##### 1.2.1 ON/OFF control:

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals N1 and N2</td>
<td>Normally open (N/O)</td>
<td>SPE=0</td>
</tr>
<tr>
<td></td>
<td>Normally closed (N/C)</td>
<td>SPE=7</td>
</tr>
<tr>
<td>Cyclic</td>
<td>SPE=0, M=0</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>SPE=0, M=ON</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>SPE=0, M=OFF</td>
<td></td>
</tr>
<tr>
<td>Cyclic (N/O contact only)</td>
<td>SPE=1, M=7</td>
<td></td>
</tr>
<tr>
<td>Button</td>
<td>SPE=0, M=PUL</td>
<td></td>
</tr>
<tr>
<td>ON with button at N2, OFF with button at N1</td>
<td>SPE=0, M=0/I</td>
<td></td>
</tr>
<tr>
<td>Timed ON 0.5sec</td>
<td>SPE=0, M=8</td>
<td></td>
</tr>
<tr>
<td>Timed ON 2sec</td>
<td>SPE=0, M=1</td>
<td></td>
</tr>
<tr>
<td>Timed ON 1min</td>
<td>SPE=0, M=7</td>
<td></td>
</tr>
<tr>
<td>Timed ON 2min</td>
<td>SPE=0, M=2</td>
<td></td>
</tr>
<tr>
<td>Timed ON 3min</td>
<td>SPE=0, M=3</td>
<td></td>
</tr>
<tr>
<td>Timed ON 4min</td>
<td>SPE=0, M=4</td>
<td></td>
</tr>
<tr>
<td>Timed ON 5min</td>
<td>SPE=0, M=5</td>
<td></td>
</tr>
<tr>
<td>Timed ON 10min</td>
<td>SPE=8, M=2</td>
<td></td>
</tr>
<tr>
<td>Timed ON 15min</td>
<td>SPE=0, M=6</td>
<td></td>
</tr>
</tbody>
</table>
1.2.2 ON/OFF Control and ADJUSTMENT (Point-to-Point only):

<table>
<thead>
<tr>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter / setting</td>
<td></td>
</tr>
</tbody>
</table>

- **ON/OFF and cyclic ADJUSTMENT**
  - ON/OFF when pressing briefly and adjustment when holding down: SPE=0, M=0
  - ON/OFF when holding down: SPE=0, M=0/I
  - ON with adjustment at ≤10%: SPE=1, M=1
  - ON with adjustment at ≤20%: SPE=1, M=2
  - ON with adjustment at ≤30%: SPE=1, M=3
  - ON with adjustment at ≤40%: SPE=1, M=4
  - ON with adjustment at ≤50%: SPE=1, M=5
  - ON with adjustment at ≤60%: SPE=1, M=6
  - ON with adjustment at ≤70%: SPE=1, M=7
  - ON with adjustment at ≤80%: SPE=1, M=8
  - ON with adjustment at ≤90%: SPE=1, M=9

For the functions of “Cyclic with custom point-to-point adjustment”, “Cyclic with custom adjustment”, “Cyclic dimmer without adjustment”, “Custom dimmer ON without adjustment”, “Custom dimmer OFF without adjustment”, “ON with custom adjustment”, “OFF with custom adjustment”, use MyHOTEL_Suite virtual configuration.

1.2.3 Blink command

When an actuator receives a blink command, it implements it by closing and opening the relay for a time equal to T that can be configured as shown in the table. Combine it with a command configured OFF to switch it off.

<table>
<thead>
<tr>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter / setting</td>
<td></td>
</tr>
</tbody>
</table>

- **Blink 0.5 s**: SPE=2, M=0
- **Blink 1 s**: SPE=2, M=1
- **Blink 1.5 s**: SPE=2, M=2
- **Blink 2 s**: SPE=2, M=3
- **Blink 2.5 s**: SPE=2, M=4
- **Blink 3 s**: SPE=2, M=5
- **Blink 3.5 s**: SPE=2, M=6
- **Blink 4 s**: SPE=2, M=7
- **Blink 4.5 s**: SPE=2, M=8
- **Blink 5 s**: SPE=2, M=9

For blinking with a period of from 5.5 to 8 seconds, use MyHOTEL_Suite virtual configuration.
## Contact interface in DIN module

### 2. Automation control

#### 2.1 Addressing

<table>
<thead>
<tr>
<th>Address type</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-point</td>
<td>Room 0-10 A=1-9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lighting point 0-15 A=PL1,PL2=0-9</td>
<td></td>
</tr>
<tr>
<td>Room</td>
<td>0-10 A=AMB</td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>1-255 A=GR</td>
<td></td>
</tr>
<tr>
<td>General</td>
<td>General A=GEN</td>
<td></td>
</tr>
</tbody>
</table>

With the virtual configuration, for the room, group and general controls, you can set a light point address for the return of the load status. You can also configure the "Installation level" and the "Destination level".

#### 2.2 Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals N1 and N2</td>
<td>Normally open (N/O) SPE=0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Normally closed (N/C) SPE=7</td>
<td></td>
</tr>
<tr>
<td>Bistable control</td>
<td>PL1=PL2 SPE=0 M=↑↓</td>
<td></td>
</tr>
<tr>
<td>Monostable control</td>
<td>PL1=PL2 SPE=0 M=↑↓↓M</td>
<td></td>
</tr>
</tbody>
</table>

### 3. Device locking/unlocking

#### 3.1 Addressing

<table>
<thead>
<tr>
<th>Address type</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-point</td>
<td>Room 0-10 A=1-9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lighting point 0-15 A=PL1,PL2=0-9</td>
<td></td>
</tr>
<tr>
<td>Room</td>
<td>0-10 A=AMB</td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>1-255 A=GR</td>
<td></td>
</tr>
<tr>
<td>General</td>
<td>General A=GEN</td>
<td></td>
</tr>
</tbody>
</table>

#### 3.2 Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals N1 and N2</td>
<td>Normally open (N/O) SPE=0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Normally closed (N/C) SPE=7</td>
<td></td>
</tr>
<tr>
<td>Disable</td>
<td>SPE=1, M=1</td>
<td></td>
</tr>
<tr>
<td>Enable</td>
<td>SPE=1, M=2</td>
<td></td>
</tr>
</tbody>
</table>

To configure the "Installation level" and the "Destination level" and use MyHOTEL_Suite virtual configuration
4. Scenario module control

4.1 Addressing

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room (of the scenario module)</td>
<td>0-10</td>
<td>A=1-9</td>
</tr>
<tr>
<td>Light point (of the scenario module)</td>
<td>0-15</td>
<td>PL1, PL2=0-9</td>
</tr>
</tbody>
</table>

**NOTE:** PL2 must be equal to PL1, or not be configured (in which case the button connected to terminal PL2 is disabled).

4.2 Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals N1 and N2</td>
<td>Normally open (N/O)</td>
<td>SPE=0</td>
</tr>
<tr>
<td></td>
<td>Normally closed (N/C)</td>
<td>SPE=7</td>
</tr>
<tr>
<td>Scenario modification and activation</td>
<td>Scenario No.</td>
<td>1-16</td>
</tr>
<tr>
<td></td>
<td>Scenario activation</td>
<td>Scenario No.</td>
</tr>
</tbody>
</table>

**NOTE:** For Delayed activation of the top/bottom button use MyHOTEL_Suite virtual configuration

**NOTE 1:** With SPE=6 you can call and program scenarios within module F420. M=1-8: group of scenarios to be controlled (see table).

**NOTE 2:** With SPE=4 it is only possible to call up the scenario saved in module item F420. M=1-8: group of scenarios to be controlled (see table).

Scenario programming

To program, change or delete a scenario you need to enable programming module F420 so that the status LED is green (press the locking/unlocking button on the scenario module for at least 0.5 seconds) and then continue with the following steps:

1) press one of the four special control buttons to which the scenario should be associated to for 3 seconds and the corresponding LED will start blinking;

2) set the scenario using the corresponding controls for the various Automation, Temperature control, Sound system, etc. functions;

3) confirm the scenario by briefly pressing the corresponding button on the special control to exit the programming mode;

4) to change a scenario, or to create new ones to use with the other buttons, repeat the procedure starting from point 1. To recall an already set scenario, briefly pressing the corresponding button on the control is enough. If you want to delete a scenario completely, press and hold down the corresponding button for approximately 10 seconds.


### 5. Programmed scenario activation

Enabling buttons for sending a command to the scenario programmer MH200N

The address of the assigned command in positions A and PL must be unique and match the scenario to be activated. The control can be connected at any point in the system (local bus or riser).

#### 5.1 Addressing

<table>
<thead>
<tr>
<th></th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Addressing type</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Room</td>
<td>0-10</td>
<td>A=1-9</td>
</tr>
<tr>
<td>Lighting point</td>
<td>0-15</td>
<td>PL1, PL2=1-9</td>
</tr>
</tbody>
</table>

**NOTE:** If PL1=PL2 the two buttons connected to the interface activate two different scenarios.

If PL1≠PL2 the two buttons activate the same scenario.

#### 5.2 Mode

<table>
<thead>
<tr>
<th></th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals N1 and N2</td>
<td>Normally open (N/O)</td>
<td>SPE=0</td>
</tr>
<tr>
<td></td>
<td>Normally closed (N/C)</td>
<td>SPE=7</td>
</tr>
<tr>
<td>Button N1</td>
<td>0-31</td>
<td>SPE=0 M=CEN</td>
</tr>
<tr>
<td>Button N2</td>
<td>0-31</td>
<td>SPE=0 M=CEN</td>
</tr>
</tbody>
</table>

#### 6. Plus Light Management scenario activation

For the configuration please refer to MY HOME_ Suite

#### 7. Plus programmed scenario activation

To configure the address 1 - 2047 of the scenario and the number of buttons 0 - 31 on the control device, use MyHOTEL_ Suite virtual configuration
8. Sound system control

This mode allows you to control the amplifiers and the sources of the Sound System.

8.1 Addressing

You can manage a single amplifier (point-to-point control), some amplifiers (room control) and all the amplifiers in the system (general control).

<table>
<thead>
<tr>
<th>Addressing type</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-point</td>
<td>Room 0-9</td>
<td>0-9</td>
</tr>
<tr>
<td>Sound point</td>
<td>Room 0-9</td>
<td>0-9</td>
</tr>
<tr>
<td>Room</td>
<td>Room 0-9</td>
<td>A=A=AMB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PF=0-9</td>
</tr>
<tr>
<td>General</td>
<td>General</td>
<td>A=A=GEN</td>
</tr>
</tbody>
</table>

8.2 Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals N1 and N2</td>
<td>Normally open</td>
<td>SPE=7</td>
</tr>
<tr>
<td></td>
<td>Normally closed</td>
<td>SPE=0</td>
</tr>
<tr>
<td>ON/volume +</td>
<td>SPE=5, M=0 on button N1</td>
<td></td>
</tr>
<tr>
<td>OFF/volume -</td>
<td>SPE=5, M=0 on button N2</td>
<td></td>
</tr>
<tr>
<td>Change track</td>
<td>SPE=5, M=1 on button N1</td>
<td></td>
</tr>
<tr>
<td>Click on source</td>
<td>SPE=5, M=1 on button N2</td>
<td></td>
</tr>
<tr>
<td>Follow me</td>
<td>YES</td>
<td>SPE=5, M=0</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>PL2=0 follow me, PL2=1-4 source</td>
</tr>
</tbody>
</table>

For the “Cyclical ON/OFF” function and to select sources 1-9 use the MyHOTEL_Suite virtual configuration.
Contact interface in DIN module

Wiring diagram

Interface DIN module

Actuator

SCS BUS

L

N
Description

This device lets you integrate traditional control devices (switches, pushbuttons, etc.) in advanced systems with BUS operating logic. Therefore, it is possible to extend the use of the BUS system in rooms where traditional systems are already present or in historic and prestigious rooms whereby the complete or partial remaking of the electronic system would entail heavy masonry work. The old but valuable switch with its no longer compliant wiring can therefore continue to be used with it, as the connection to the load to be controlled is carried out safely by connecting it with its respective interface with no-voltage contact.

Contact PL1 controls light point PL1, contact PL2 controls light point PL2. The interface has a LED for signalling it is working properly and three cables for connecting to traditional devices. This device is made in a Basic enclosure and therefore features a compact size and can be used in flush-mounted boxes, junction boxes, shutter boxes and ducts. Particularly advantageous is the installation inside junction boxes, positioning the item at the back of the flush-mounted box, behind lowered automation devices or behind conventional devices (pushbuttons, switches, etc.).

Technical data

Power supply via SCS BUS: 27 Vdc
Operating power supply with SCS BUS: 18 – 27 Vdc
Current draw: 3.5 mA

Dimensions

Size: basic module

Configuration

If the device is installed in a My Home system it can be configured in two ways:
- PHYSICAL CONFIGURATION, inserting the configurators in position.
- Configuration via MyHOTEL_Suite software package, downloadable from www.homesystems-legrandgroup.com; this mode has the advantage of offering many more options than the physical configuration.

For a list of the procedures and their meanings, please refer to the instructions in this sheet and to the “Function Descriptions” help section in the MyHOTEL_Suite software package.

When used as a component of the Lighting Management system, use the specific types of configuration (Plug&go, Project&Download).

The interface consists of two independent control units, which are identified with the positions PL1 and PL2 in the physical configuration and the term Module 1 and Module 2 in the MyHOTEL_Suite virtual configuration. The two units can send:
- commands to two actuators for two independent loads (On, Off or adjustment) identified with the address PL1 and PL2 and the mode specified in M or;
- a command to the F420 scenario module;
- a double command intended for a single load (motor for blinds Up-Down, curtains Open-Close) identified with the address PL1=PL2 and specified Configuration mode M.

The interface has an LED for indicating proper operation and three terminals for connection to traditional devices such as:
- two N/O (normally open) and N/C (normally closed) traditional switches or buttons;
- a switch.

Legend

1. Configurator seat (note that this must only be used in MyHome systems with the physical configuration)
2. LED
3. Cables for connection to traditional devices
4. BUS

List of Functions

The device performs the following functions:
1. LIGHT SWITCH
2. AUTOMATION CONTROL
3. DEVICE LOCKING/UNLOCKING
4. SCENARIO MODULE CONTROL
5. PROGRAMMED SCENARIO ACTIVATION
6. PLUS PROGRAMMED SCENARIO ACTIVATION
7. AUXILIARY CONTROL
8. SOUND SYSTEM CONTROL

See the following pages for the configuration procedures.
### Function selection

To configure the contact numbers use MyHOTEL_Suite virtual configuration

#### 1. Light switch

##### 1.1 Addressing

<table>
<thead>
<tr>
<th>Address type</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-point Room</td>
<td>0-10</td>
<td>A=1-9</td>
</tr>
<tr>
<td>Lighting point</td>
<td>0-15</td>
<td>P1, P2=0-9</td>
</tr>
<tr>
<td>Room</td>
<td>0-10</td>
<td>A=AMB</td>
</tr>
<tr>
<td>Group</td>
<td>1-255</td>
<td>A=GR</td>
</tr>
<tr>
<td>General</td>
<td>General</td>
<td>A=GEN</td>
</tr>
</tbody>
</table>

#### Installation and destination level:

The special control can also be used in systems where there are SCS/SCS interfaces (F422). By installing the control on the BUS of an interface (installation level), you can control one or more actuators located on the BUS of another interface (destination level).

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination level</td>
<td>Local bus</td>
<td>I= 1-9</td>
</tr>
<tr>
<td></td>
<td>Riser bus</td>
<td>I=7CEN</td>
</tr>
<tr>
<td></td>
<td>Complete system</td>
<td>I=0</td>
</tr>
</tbody>
</table>

**NOTE:** With the virtual configuration, for the room, group and general controls, you can set a light point address for the return of the load status.

#### 1.2 Mode

##### 1.2.1 ON/OFF control:

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals PL1 and PL2</td>
<td>Normally open (N/O)</td>
<td>SPE=0</td>
</tr>
<tr>
<td></td>
<td>Normally closed (N/C)</td>
<td>SPE=7</td>
</tr>
<tr>
<td>Cyclic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cyclic (N/O contact only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Button</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timed ON</td>
<td>0.5sec</td>
<td>SPE=0, M=8</td>
</tr>
<tr>
<td></td>
<td>2sec</td>
<td>SPE=8, M=1</td>
</tr>
<tr>
<td></td>
<td>30sec</td>
<td>SPE=0, M=7</td>
</tr>
<tr>
<td></td>
<td>1min</td>
<td>SPE=0, M=1</td>
</tr>
<tr>
<td></td>
<td>2min</td>
<td>SPE=0, M=2</td>
</tr>
<tr>
<td></td>
<td>3min</td>
<td>SPE=0, M=3</td>
</tr>
<tr>
<td></td>
<td>4min</td>
<td>SPE=0, M=4</td>
</tr>
<tr>
<td></td>
<td>5min</td>
<td>SPE=0, M=5</td>
</tr>
<tr>
<td></td>
<td>10min</td>
<td>SPE=8, M=2</td>
</tr>
<tr>
<td></td>
<td>15min</td>
<td>SPE=0, M=6</td>
</tr>
</tbody>
</table>
### Basic contacts interface

#### 1.2.2 ON/OFF Control and ADJUSTMENT (Point-to-Point only):

<table>
<thead>
<tr>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter / setting</td>
<td></td>
</tr>
<tr>
<td>ON/OFF and cyclic ADJUSTMENT</td>
<td>SPE=0, M=0</td>
</tr>
<tr>
<td>ON/OFF when pressing briefly and adjustment when holding down</td>
<td>SPE=0, M=0/I</td>
</tr>
<tr>
<td>ON with button at PL2, OFF with button at PL1 and DIMMER when held down</td>
<td>SPE=3, M=1</td>
</tr>
<tr>
<td>ON with adjustment at 10%</td>
<td>SPE=3, M=2</td>
</tr>
<tr>
<td>ON with adjustment at 20%</td>
<td>SPE=3, M=3</td>
</tr>
<tr>
<td>ON with adjustment at 30%</td>
<td>SPE=3, M=4</td>
</tr>
<tr>
<td>ON with adjustment at 40%</td>
<td>SPE=3, M=5</td>
</tr>
<tr>
<td>ON with adjustment at 50%</td>
<td>SPE=3, M=6</td>
</tr>
<tr>
<td>ON with adjustment at 60%</td>
<td>SPE=3, M=7</td>
</tr>
<tr>
<td>ON with adjustment at 70%</td>
<td>SPE=3, M=8</td>
</tr>
<tr>
<td>ON with adjustment at 80%</td>
<td>SPE=3, M=9</td>
</tr>
<tr>
<td>ON with adjustment at 90%</td>
<td></td>
</tr>
</tbody>
</table>

For the functions of "Cyclic with custom point-to-point adjustment", "Cyclic with custom adjustment", "Cyclic dimmer without adjustment", "Custom dimmer ON without adjustment", "Custom dimmer OFF without adjustment", "ON with custom adjustment", "OFF with custom adjustment", use MyHOTEL_Suite virtual configuration.

#### 1.2.3 Blink command

When an actuator receives a blink command, it implements it by closing and opening the relay for a time equal to $T$ that can be configured as shown in the table. Combine it with a command configured OFF to switch it off.

<table>
<thead>
<tr>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter / setting</td>
<td></td>
</tr>
<tr>
<td>Blink 0.5 s</td>
<td>SPE=2, M=0</td>
</tr>
<tr>
<td>Blink 1 s</td>
<td>SPE=2, M=1</td>
</tr>
<tr>
<td>Blink 1.5 s</td>
<td>SPE=2, M=2</td>
</tr>
<tr>
<td>Blink 2 s</td>
<td>SPE=2, M=3</td>
</tr>
<tr>
<td>Blink 2.5 s</td>
<td>SPE=2, M=4</td>
</tr>
<tr>
<td>Blink 3 s</td>
<td>SPE=2, M=5</td>
</tr>
<tr>
<td>Blink 3.5 s</td>
<td>SPE=2, M=6</td>
</tr>
<tr>
<td>Blink 4 s</td>
<td>SPE=2, M=7</td>
</tr>
<tr>
<td>Blink 4.5 s</td>
<td>SPE=2, M=8</td>
</tr>
<tr>
<td>Blink 5 s</td>
<td>SPE=2, M=9</td>
</tr>
</tbody>
</table>

For blinking with a period of from 5.5 to 8 seconds, use MyHOTEL_Suite virtual configuration.
### 2. Automation control

#### 2.1 Addressing

<table>
<thead>
<tr>
<th>Address type</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-point</td>
<td>Room 0-10</td>
<td>A=1-9</td>
</tr>
<tr>
<td></td>
<td>Lighting point 0-15</td>
<td>PL1, PL2=0-9</td>
</tr>
<tr>
<td>Room</td>
<td>0-10</td>
<td>A=AMB</td>
</tr>
<tr>
<td>Group</td>
<td>1-255</td>
<td>A=GR</td>
</tr>
<tr>
<td>General</td>
<td>general</td>
<td>A=GEN</td>
</tr>
</tbody>
</table>

**Installation and destination level:**

The special control can also be used in systems where there are SCS/SCS interfaces (F422). By installing the control on the BUS of an interface (installation level), you can control one or more actuators located on the BUS of another interface (destination level).

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination level</td>
<td>Local bus 1-15</td>
<td>I=1-9</td>
</tr>
<tr>
<td></td>
<td>Riser bus riser</td>
<td>I=CEN</td>
</tr>
<tr>
<td></td>
<td>Complete system entire system</td>
<td>I=0</td>
</tr>
</tbody>
</table>

**NOTE:** With the virtual configuration, for the room, group and general controls, you can set a light point address for the return of the load status.

#### 2.2 Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals PL1 and PL2</td>
<td>Normally open (N/O) SPE=0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Normally closed (N/C) SPE=7</td>
<td></td>
</tr>
<tr>
<td>Bistable control</td>
<td>PL1=PL2 SPE=0 M=↑↓</td>
<td></td>
</tr>
<tr>
<td>Monostable control</td>
<td>PL1=PL2 SPE=0 M=↑↓</td>
<td></td>
</tr>
</tbody>
</table>

#### 3. Device locking/unlocking

#### 3.1 Addressing

<table>
<thead>
<tr>
<th>Address type</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-point</td>
<td>Room 0-10</td>
<td>A=1-9</td>
</tr>
<tr>
<td></td>
<td>Lighting point 0-15</td>
<td>PL1, PL2=0-9</td>
</tr>
<tr>
<td>Room</td>
<td>0-10</td>
<td>A=AMB</td>
</tr>
<tr>
<td>Group</td>
<td>1-255</td>
<td>A=GR</td>
</tr>
<tr>
<td>General</td>
<td>General</td>
<td>A=GEN</td>
</tr>
</tbody>
</table>
3.2 Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals PL1 and PL2</td>
<td>Normally open (N/O) SPE=0</td>
<td>Normally closed (N/C) SPE=0</td>
</tr>
<tr>
<td></td>
<td>Disable SPE=1, M=1</td>
<td>Enable SPE=1, M=2</td>
</tr>
</tbody>
</table>

To configure the "Installation level" and the "Destination level" and use MyHOTEL_Suite virtual configuration

4. Scenario module control

4.1 Addressing

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room (of the scenario module)</td>
<td>0-10</td>
<td>A=1-9</td>
</tr>
<tr>
<td>Light point (of the scenario module)</td>
<td>0-15</td>
<td>PL1, PL2=0-9</td>
</tr>
</tbody>
</table>

NOTE: PL2 must be equal to PL1, or not be configured (in which case the button connected to terminal PL2 is disabled)

4.2 Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals PL1 and PL2</td>
<td>Normally open (N/O) SPE=0</td>
<td>Normally closed (N/C) SPE=0</td>
</tr>
<tr>
<td>Scenario modification and activation</td>
<td>Scenario No. 1-16 SPE=61, M=1-8</td>
<td></td>
</tr>
<tr>
<td>Scenario activation</td>
<td>Scenario No. 1-16 SPE=4, M=1-8</td>
<td></td>
</tr>
</tbody>
</table>

For Delayed activation of the top/bottom button use MyHOTEL_Suite virtual configuration

NOTE 1): With SPE=6 you can call and program scenarios within module F420. M=1-8: group of scenarios to be controlled (see table).

NOTE 2): With SPE=4 it is only possible to call up the scenario saved in module item F420. M=1-8: group of scenarios to be controlled (see table).

Scenario programming

To program, change or delete a scenario you need to enable programming module F420 so that the status LED is green (press the locking/unlocking button on the scenario module for at least 0.5 seconds) and then continue with the following steps:

1) press one of the four special control buttons to which the scenario should be associated to for 3 seconds and the corresponding LED will start blinking;
2) set the scenario using the corresponding controls for the various Automation, Temperature control, Sound system, etc. functions;
3) confirm the scenario by briefly pressing the corresponding button on the special control to exit the programming mode;
4) to change a scenario, or to create new ones to use with the other buttons, repeat the procedure starting from point 1. To recall an already set scenario, briefly pressing the corresponding button on the control is enough. If you want to delete a scenario completely, press and hold down the corresponding button for approximately 10 seconds.
5. Programmed scenario activation

Enabling buttons for sending a command to the scenario programmer MH200N. The address of the assigned command in positions A and PL must be unique and match the scenario to be activated. The control can be connected at any point in the system (local bus or riser).

5.1 Addressing

<table>
<thead>
<tr>
<th>Addressing type</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room</td>
<td>0-10</td>
<td>A=1-9</td>
</tr>
<tr>
<td>Lighting point</td>
<td>0-15</td>
<td>PL1, PL2=1-9</td>
</tr>
</tbody>
</table>

**NOTE:** If PL1=PL2 the two buttons connected to the interface activate two different scenarios. If PL1≠PL2 the two buttons activate the same scenario.

5.2 Mode

<table>
<thead>
<tr>
<th>Type of contact to terminals PL1 and PL2</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normally open (N/O)</td>
<td>SPE=0</td>
<td></td>
</tr>
<tr>
<td>Normally closed (N/C)</td>
<td>SPE=7</td>
<td></td>
</tr>
<tr>
<td>Button PL1</td>
<td>0-31</td>
<td>SPE=0 M=CEN</td>
</tr>
<tr>
<td>Button PL2</td>
<td>0-31</td>
<td>SPE=0 M=CEN</td>
</tr>
</tbody>
</table>

6. Plus Light Management scenario activation

For the configuration please refer to MY HOME_ Suite

7. Plus programmed scenario activation

To configure the address 1 - 2047 of the scenario and the number of buttons 0 - 31 on the control device, use MyHOTEL_Suite virtual configuration

8. Auxiliary control

For the configuration please refer to MY HOME_ Suite
9. Sound system control

This mode allows you to control the amplifiers and the sources of the Sound System.

9.1 Addressing

You can manage a single amplifier (point-to-point control), some amplifiers (room control) and all the amplifiers in the system (general control).

<table>
<thead>
<tr>
<th>Addressing type</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-point</td>
<td>Room 0-9</td>
<td>0-9</td>
</tr>
<tr>
<td>Room</td>
<td>Room 0-9</td>
<td>A=AMB, PF=0-9</td>
</tr>
<tr>
<td>General</td>
<td>General</td>
<td>A=GEN</td>
</tr>
</tbody>
</table>

9.2 Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of contact to terminals PL1 and PL2</td>
<td>Normally open (N/O) SPE=0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Normally closed (N/C) SPE=7</td>
<td></td>
</tr>
<tr>
<td>ON/volume +</td>
<td>SPE=5, M=0 (for button on PL1)</td>
<td></td>
</tr>
<tr>
<td>OFF/volume -</td>
<td>SPE=5, M=0 (for button on PL2)</td>
<td></td>
</tr>
<tr>
<td>Change track</td>
<td>SPE=5, M=1 (for button on PL1)</td>
<td></td>
</tr>
<tr>
<td>Click on source</td>
<td>SPE=5, M=1 (for button on PL2)</td>
<td></td>
</tr>
</tbody>
</table>

For the "Cyclical ON/OFF" function and to select sources 1-9 use the MyHOTEL_Suite virtual configuration

Follow Me mode

Enables, upon powering the amplifier, activating the last source switched on.

<table>
<thead>
<tr>
<th>Function</th>
<th>Virtual configuration (MyHOTEL_Suite)</th>
<th>Physical configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch back on from the last source</td>
<td>YES</td>
<td>M=0</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>Definition of the source 1-4</td>
</tr>
</tbody>
</table>

**NOTE 1):** indicates the sound source to be activated before switching on the amplifier.
For example:

By properly configuring the interface, the following functions are performed:

**M=0 ON/OFF mode**

Contact on PL1:
Briefly pressing sends out the following sequence:
- ON sources, PL2 indicates the source to be activated before switching on the amplifier.
  - IF PL2=0 source 1 is turned on (follow-me mode)
  - ON amplifier A/PL1

On holding down:
- For point-to-point commands if the amplifier is already on, only the volume is adjusted (VOL+); if the amplifier is off, the switch-on sequence is sent first.
- For GEN or AMB commands only the volume is adjusted.

Contact on PL2:
Briefly pressing sends the OFF command for the amplifier A/PL1
Pressing and holding down adjusts the volume (VOL-)

In this operating mode:

- **Point-to-point command**
  A=1-9 amplifier room
  PL1=0-9 amplifier sound point

- **Room control**
  A=AMB
  PL1=1-9 room of amplifiers where the command is directed

- **General control**
  A=GEN
  PL1=PL2=0
  PL2=1-4 indicates the source to be activated before switching on the amplifier.
  IF PL2=0 follow-me mode is turned on

**M=1 Cycle source/Cycle track mode**

Contact N1: cycle source
Contact N2: cycle track

In this operating mode:

- **Room controls**
  A=1-9 is the amplifier room

- **General controls**
  A=GEN for general controls
  PL1=PL2=0

---

**Wiring diagram**

[Diagram of the wiring connections for the basic contacts interface and historical switch, showing connections labeled with basic interface, historical actuator, SCS BUS, L and N.]
**TECHNICAL SHEETS**

**BUS/SCS cable (grey)**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>This cable is used for the distribution of the power supplies and the operating signals to all system devices. The cable consists of a grey external sheathing and two twisted flexible conductors with a section of 0.35 mm²: one blue and one white. The cable is sold in 3 different type of coils:</td>
</tr>
<tr>
<td>- 100 m coil, item L4669</td>
</tr>
<tr>
<td>- 500 m coil, item L4669/500</td>
</tr>
<tr>
<td>- bobina da 1000 m art. L4669KM1</td>
</tr>
</tbody>
</table>

The cable has 300/500 V insulation. Using the clear clamp protections included in all the devices, the systems can also be installed in the same boxes and ducts as the power lines (110 Vac, 127 Vac and 230 Vac).

- The cable complies with the EU305/2011 regulation on construction products (CPR).
- The cable DOP is available on the www.bticino.com website

Therefore, it is suitable to be used in:
- Free air installation, inside trunking, trays and conduits
- Inside masonry walls, in appropriate conduits

**Cable channels, trays and conduits must meet the regulatory requirements for the specific type of installation.**

**The grey BUS/SCS cable is not suitable for underground installation even in appropriate conduits.**

**Technical data**

<table>
<thead>
<tr>
<th>Insulation voltage:</th>
<th>300/500 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can be buried:</td>
<td>NO</td>
</tr>
<tr>
<td>External sheath colour:</td>
<td>grey (RAL 7001)</td>
</tr>
<tr>
<td>External sheath diameter:</td>
<td>5.5 +/- 0.1 mm</td>
</tr>
<tr>
<td>External sheath thickness:</td>
<td>0.8 mm</td>
</tr>
<tr>
<td>External sheath material:</td>
<td>PVC (RZ)</td>
</tr>
<tr>
<td>Number of internal conductors:</td>
<td>2 unshielded twisted flexible conductors with sheath</td>
</tr>
<tr>
<td>Colour of internal conductors:</td>
<td>white and blue</td>
</tr>
<tr>
<td>Sheath thickness of internal conductors:</td>
<td>0.60 mm</td>
</tr>
<tr>
<td>Sheath material of internal conductors:</td>
<td>PVC (RZ)</td>
</tr>
<tr>
<td>Conductor material: red electrolytic copper</td>
<td></td>
</tr>
<tr>
<td>Conductor section:</td>
<td>0.35 mm² (12 x 0.20 mm²)</td>
</tr>
<tr>
<td>Operating temperature:</td>
<td>(-15) – (+70) °C</td>
</tr>
<tr>
<td>Maximum short circuit temperature:</td>
<td>150 °C</td>
</tr>
<tr>
<td>Coil length:</td>
<td>100 m or 500 m</td>
</tr>
<tr>
<td>Coil or reel length:</td>
<td>100 m, 500m or 1000 m</td>
</tr>
</tbody>
</table>

**Installation notes**

Although the construction of the grey cable ensures 300/500 V category electric insulation, correct system operation is not guaranteed when installed together with the power cables in the following cases:
- industrial environments,
- In residential/service sector environments, when the power cables provide power supply to:
  - lift,
  - inverters,
  - pumps,
  - motors and controlled motors,
  - metal iodines lamps.

**Standards, Certifications, Marks**

Reference standards: - It complies with the tests required by the following standards:
- EN60811, EN50289, EN50290, EN60228, EN50265-2-1, EN50395, EN50396, EN 50575 as described in the IMQ CPT 062 document.

**Marks obtained:**
BUS/SCS AV (white) cable

Description
This cable is used to distribute all the power supplies and operating signals to the BUS devices of the system. It consists of a white external sheath and two 50 mm² section brown and brown/white flexible twisted conductors. It is sold in 200 m coils.
- The cable complies with the EU305/2011 regulation on construction products (CPR).
- The cable DOP is available on the www.bticino.com website
Therefore, it is suitable to be used in:
- Free air installation, inside trunking, trays and conduits
- Inside masonry walls, in appropriate conduits
- Underground, in appropriate conduits

Cable channels, trays and conduits must meet the regulatory requirements for the specific type of installation.

Technical data
Insulation voltage: 400 V
Underground installation: YES (see installation notes)
Colour of external sheath: white (RAL 9010)
Diameter of the external sheath: 5.0 +/- 0.1 mm
Thickness of the external sheath: 0.7 mm
Material of the external sheath: PVC (RZ)
Number of internal conductors: 2 sheathed unshielded twisted flexible conductors.
Colour of internal conductors: brown - brown/white
Thickness of the internal conductor sheath: 0.40 mm
Diameter of the internal conductor sheath: 1.70 mm
Material of the internal conductor sheath: LDPE polyethylene
Conductor material: red electrolytic copper
Conductor section: 0.50 mm² (16 x 0.20 mm²)
Operating temperature: (-15) – (+70) °C
Class of Reaction to Fire: Eca
Coil length: 200 m

Installation notes
Cable underground installation
The 336940 BUS/SCS cable can be installed underground (protected inside appropriate conduits), together with other signal cables, for voltages <50V.
Installation of cable 336904 together with power cables with energies >50V is strictly forbidden. Failure to comply with the installation requirements shall entitle BTicino to reject all liabilities on the operation of the systems installed.

Cohabitation with other cables
Although the construction of the white cable guarantees the necessary electrical insulation for cohabitation with 400 V system cables, there is no guarantee of immunity from electromagnetic disturbance, which may occur when the cable is installed inside the same conduits as the energy cables.
It is therefore strongly recommended that the white BUS/SCS cable and the power cables are installed in different conduits.

Standards, certifications, marks
Standards of reference - the cable meets the requirements of the standards: EN50575, EN60811, EN50289, EN50290, EN60228, EN50265-2-1, EN50395, EN50396 as described in the IMQ CPT 062 document.

Marks:
This BUS-SCS halogen-free cable has been purposely designed and manufactured for laying in areas with more strong fire hazards. The cable is intended for use in construction works subjected to fire resistance regulations: it is in fact a Cca-s1b, d1, a1 class type cable according to EN 50575, as required by EU regulation NO. 305/2011. This cable is used to distribute all the power supplies and operating signals to the BUS devices of the system. It consists of a white external sheath and two 0.56 mm2 section brown and brown/white flexible twisted conductors. It is sold in 200 m coils.

**The white BUS-SCS cable is suitable for underground installation in appropriate conduits.**

### Technical data

**Insulation voltage:** 400 V  
**Underground installation:** YES inside appropriate protective conduits  
**Colour of the external sheath:** white (RAL 9010)  
**Diameter of the external sheath:** 7.3 +/- 0.1 mm  
**Number of internal conductors:** 2 sheathed unshielded twisted flexible conductors  
**Colour of internal conductors:** brown – brown/white  
**Conductor material:** red electrolytic copper  
**Conductor section:** 0.56 mm² (7 x 0.32 mm²)  
**Operating temperature:** (-15) – (+70) °C  
**Max. short circuit temperature:** 150 °C  
**Coil length:** 200 m

### Standards, certifications, marks

Reference standards. The cable meets the requirements of the standards: EN50290, EN50395, EN50575.

### Installation notes

**Cable underground installation**

The 336905 BUS/SCS cable can be installed underground (protected inside appropriate conduits), together with other signal cables, for voltages <50V. Installation of cable 336905 together with power cables with energies >50V is strictly forbidden. Failure to comply with the installation requirements shall entitle BTicino to reject all liabilities on the operation of the systems installed.

**Cohabitation with other cables**

Although the construction of the white cable guarantees the necessary electrical insulation for cohabitation with 400 V system cables, there is no guarantee of immunity from electromagnetic disturbance, which may occur when the cable is installed inside the same conduits as the energy cables. It is therefore strongly recommended that the white BUS/SCS cable and the power cables are installed in different conduits.
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