

**Description**

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 MyHOME\_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 MyHOME\_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
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

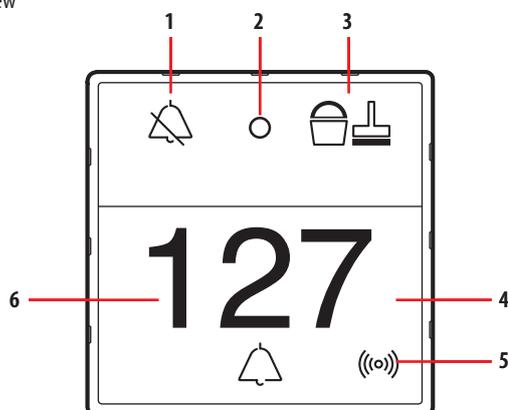
**Standards, Certifications, Marks**

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

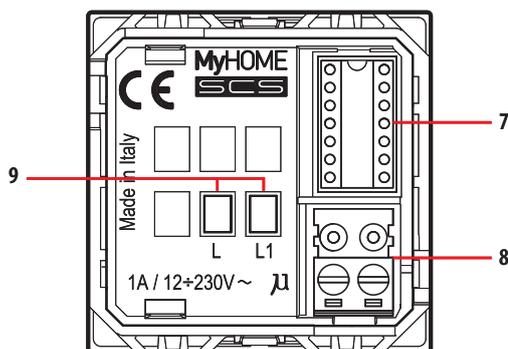
**Dimensional data**

Size: 2 flush mounted modules

Front view



Rear view



**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.

**Physical configuration**

⊙	<b>R1</b>	⊙
⊙	<b>R2</b>	⊙
⊙	<b>M</b>	⊙
⊙	<b>L</b>	⊙
⊙	<b>A</b>	⊙
⊙	<b>PL</b>	⊙
⊙	<b>T</b>	⊙

**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

L CONFIGURATOR	WHITE BACKLIGHTING LED	RED DND LED	GREEN MUR LED
0	ON: occupied OFF: free	Enabled	Enabled
1	ON: occupied OFF: free	Enabled	Disabled
2	ON: free OFF: occupied	Enabled	Enabled
3	ON: free OFF: occupied	Enabled	Disabled
4	Always ON	Enabled	Enabled
5	Always ON	Enabled	Disabled
6	Always OFF	Enabled	Enabled
7	Always OFF	Enabled	Disabled

**A, PL** = door lock actuator SCS address

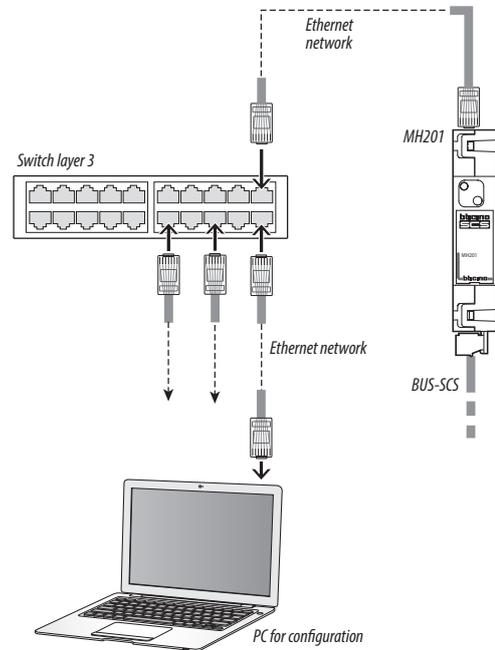
**T** = door lock relay timer

Configurator	Time
0	½ sec
1	1 sec
2	2 sec
3	3 sec
4	4 sec
5	5 sec
6	6 sec
7	7 sec
8	8 sec
9	9 sec

**Configuration using the MyHOME\_Suite software**

This is performed using the appropriate MyHOME\_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**



**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**

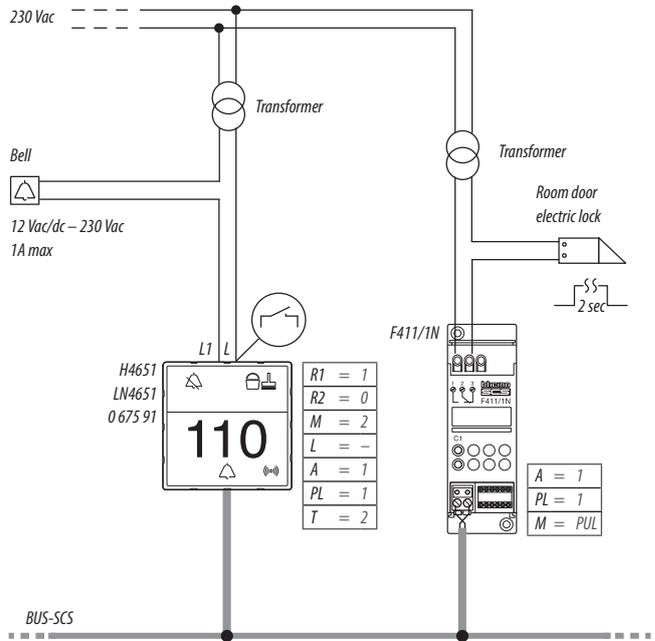
Programming key cards using the PC and the relevant software provides further functions in addition to the basic ones available in stand-alone mode programming: validity settings, guest information, scheduled accesses...  
This procedure is only possible using item MH201.

**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.

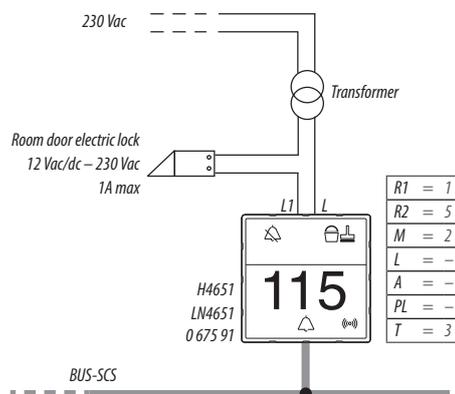
Note: The diagram proposed with M=2 requires the installation of MH201.



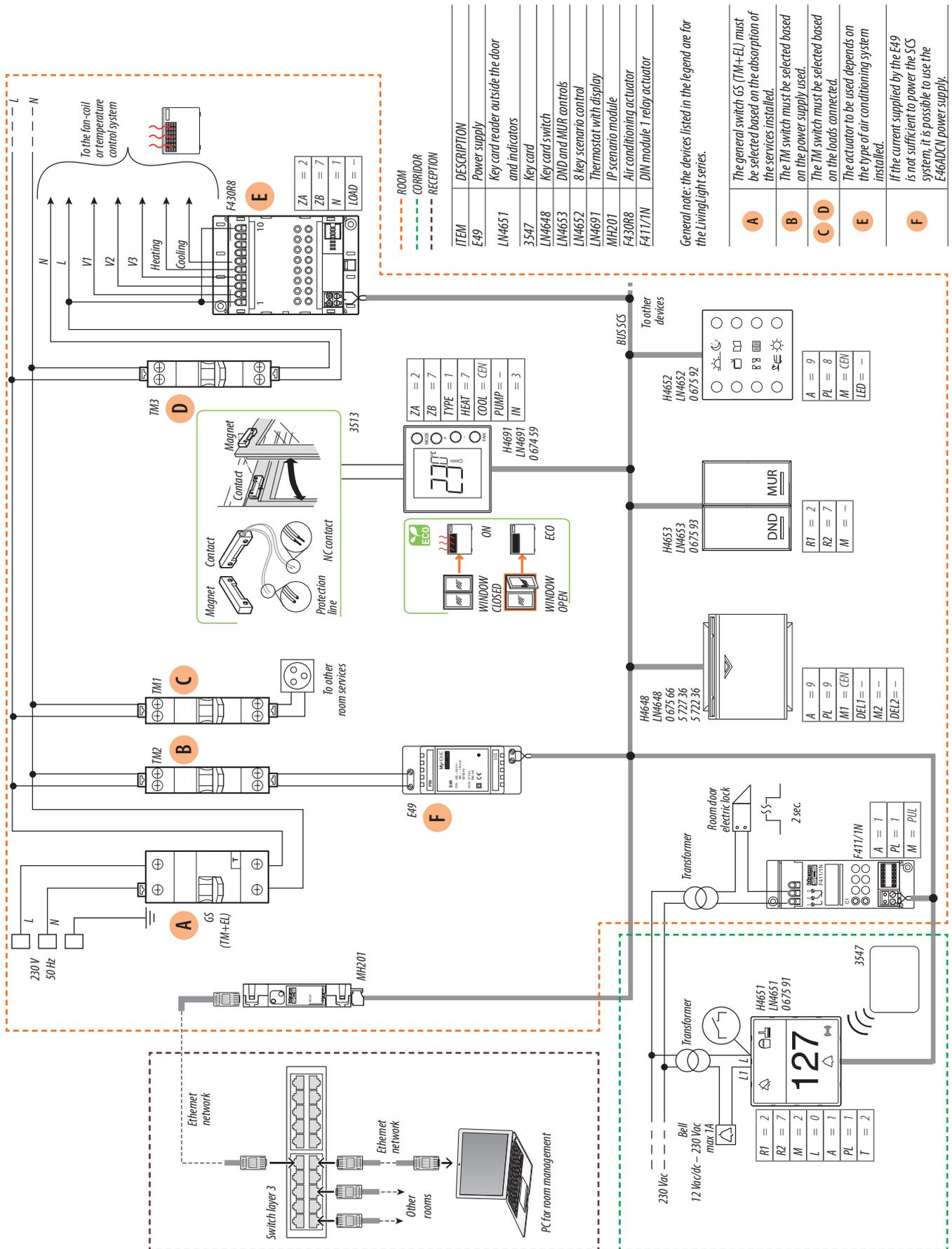
**Room 115 electric door lock control diagram**

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.

Note: The diagram proposed with M=2 requires the installation of MH201.



Principle and configuration diagram for a hotel room



ITEM	DESCRIPTION
E49	Power supply
LN4651	Key card reader outside the door and indicators
3547	Key card
LN4648	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
F411/1N	DIN module 1 relay actuator

General note: the devices listed in the legend are for the Living/Light series.

<b>A</b>	The general switch GS (TM+EL) must be selected based on the absorption of the services installed.
<b>B</b>	The TM switch must be selected based on the power supply used.
<b>C D</b>	The TM switch must be selected based on the loads connected.
<b>E</b>	The actuator to be used depends on the type of air conditioning system installed.
<b>F</b>	If the current supplied by the E49 is not sufficient to power the SCS system, it is possible to use the E-464DCN power supply.