

BUS SCS RFID key card switches

0 675 66 H4648
5 727 36 LN4648
5 722 36

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 MyHOME_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
Max. absorption:	6 mA
Stand-by absorption:	5 mA
Operating temperature:	5 – 40 °C
RFID key card frequency:	13.56 MHz

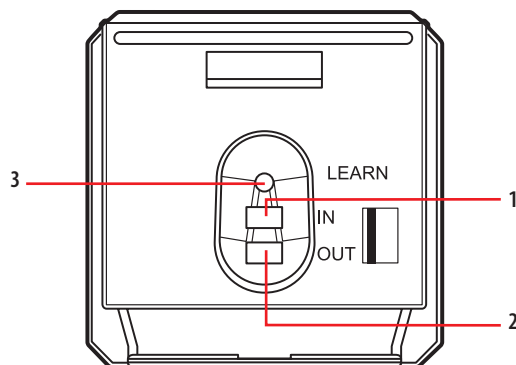
Standards, Certifications, Marks

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

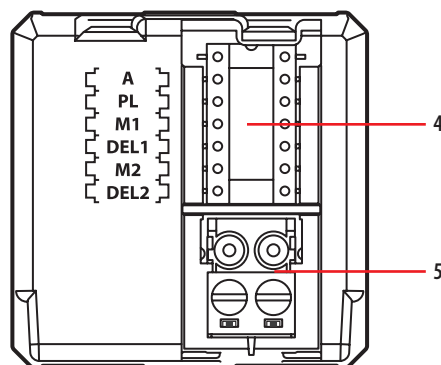
Dimensional data

Size: 2 flush mounted modules

Front view



Rear view



Legend

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

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)

Table A

Configurator value	Time
0	0
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

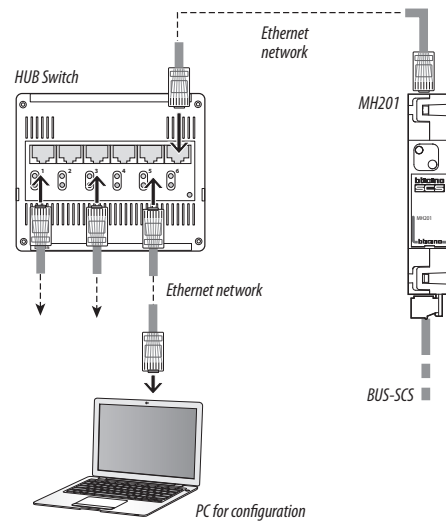
Sce 2 = scenario activated on removal

Gr = group of actuators

Configuration using the 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



SCENARIO mode programming

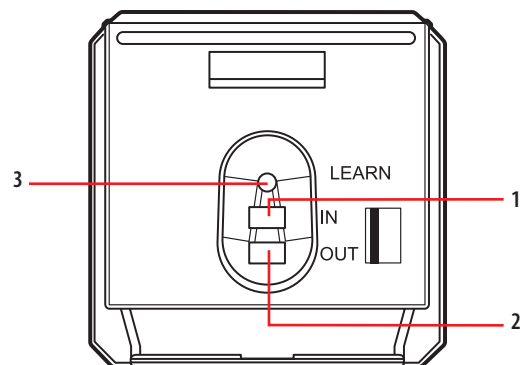
SCENARIO mode programming

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).

Canceling 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).



1. Programming key: Learn IN
2. Programming key: Learn OUT
3. LED

Wiring diagrams

Principle and configuration diagram for a hotel room

