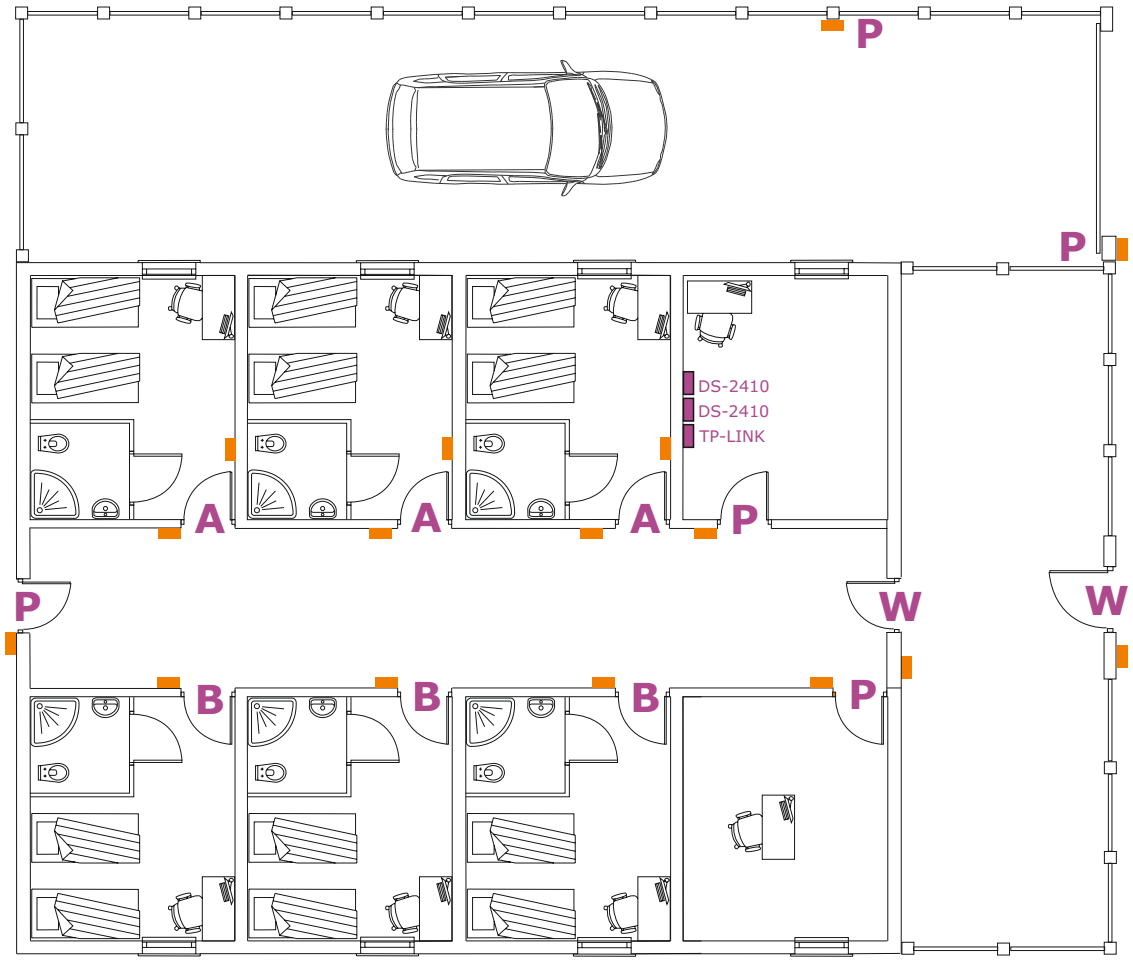
Self service hotel - installation instructions

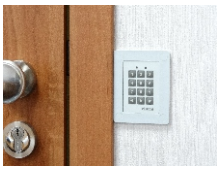
with automation

2020-04-26

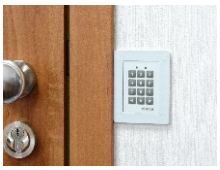
elarm



A rooms with automation
GS-165 - installation under plaster
GS-165N - installation on plaster

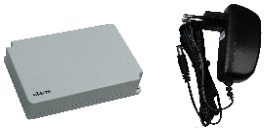


B rooms without automation
GS-280K - installation under plaster
GS-270K - installation on plaster



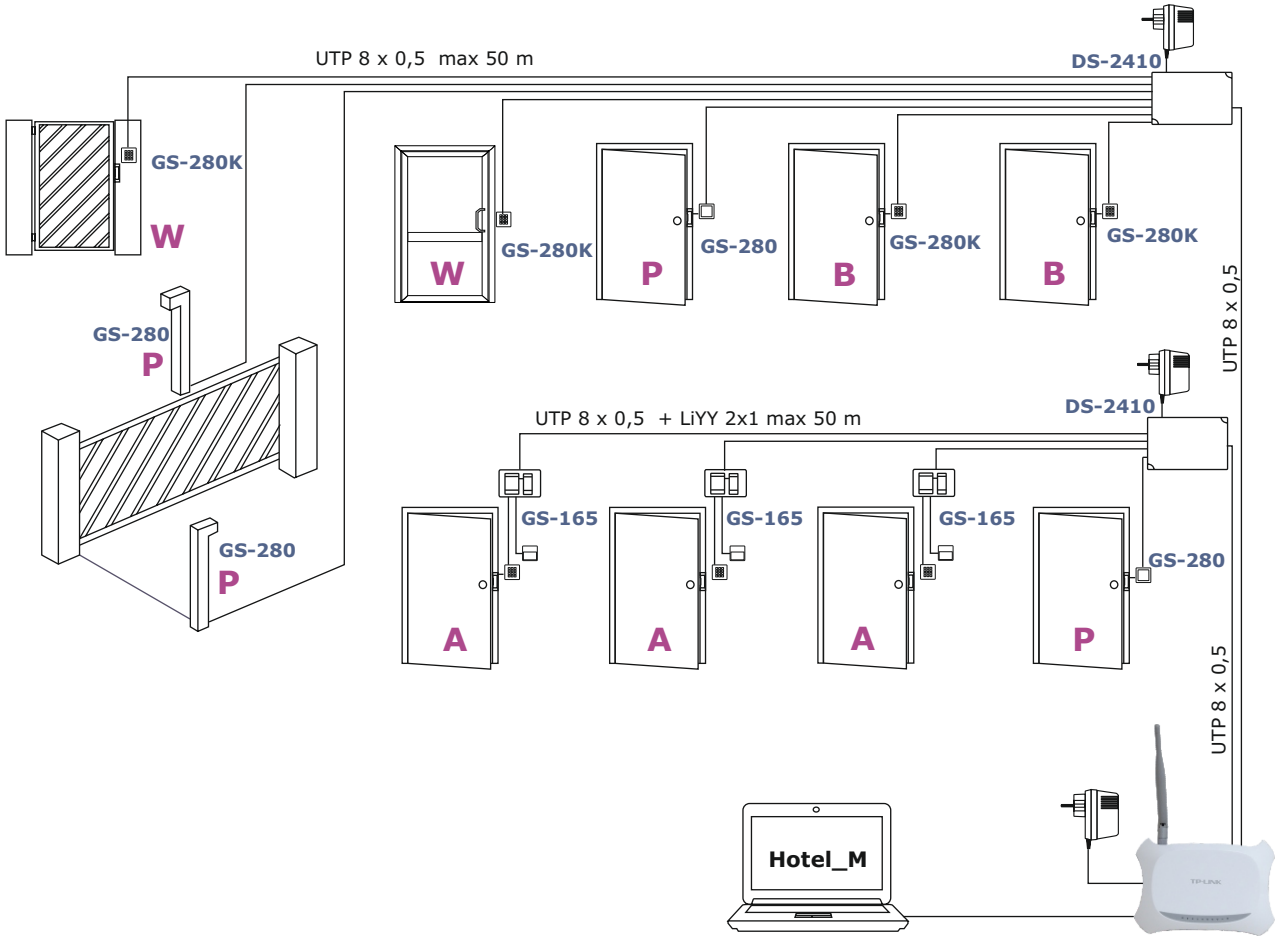
W entrance to the building
GS-280K - installation under plaster
GS-270K - installation on plaster

P other transitions opened with card
GS-280 - installation under plaster
GS-270 - installation on plaster

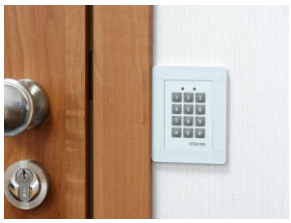


DS-2410 controller with 230 / 12V 2A power supply

Staff cards can open all doors



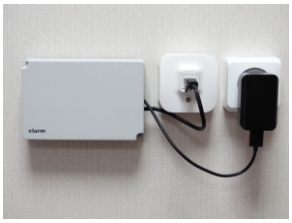
keyboard card readers



GS-280K installation under plaster

GS-270K installation on plaster

holder with temperature sensor



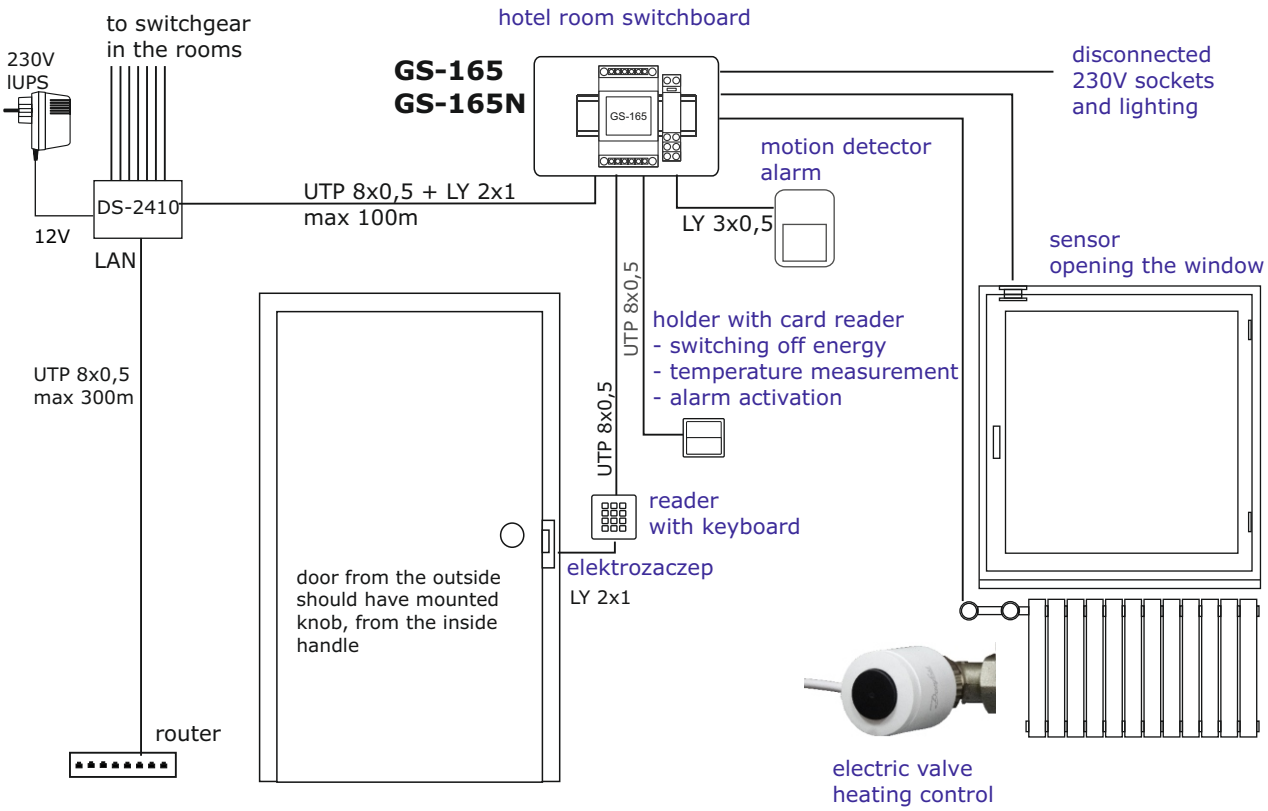
DS-2410 controller

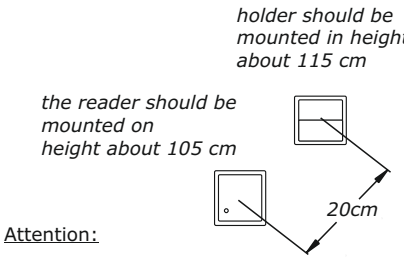
card readers

GS-280 installation under plaster

GS-270 installation on plaster

A - hotel room with automation

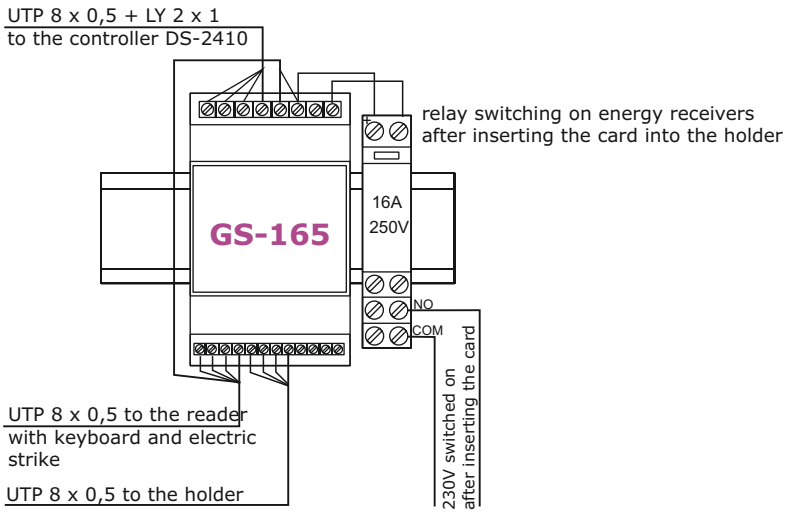




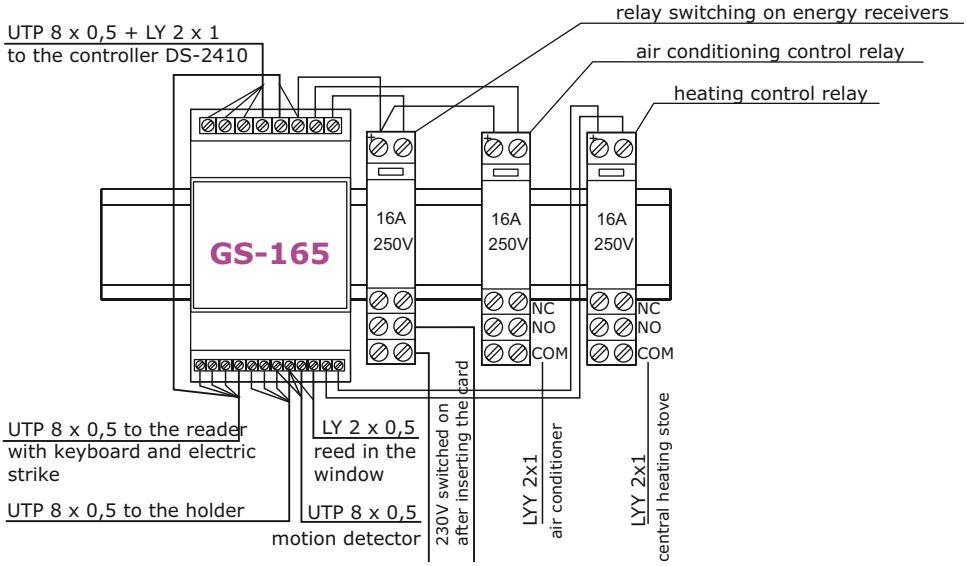
Attention:

If the walls in the building are thin (10 - 12 cm) reader and holder cannot be mounted on both sides walls facing each other exactly.
The card reading range is 5-10 cm so readers may interfere with each other.
We recommend that they be moved about 20 cm.

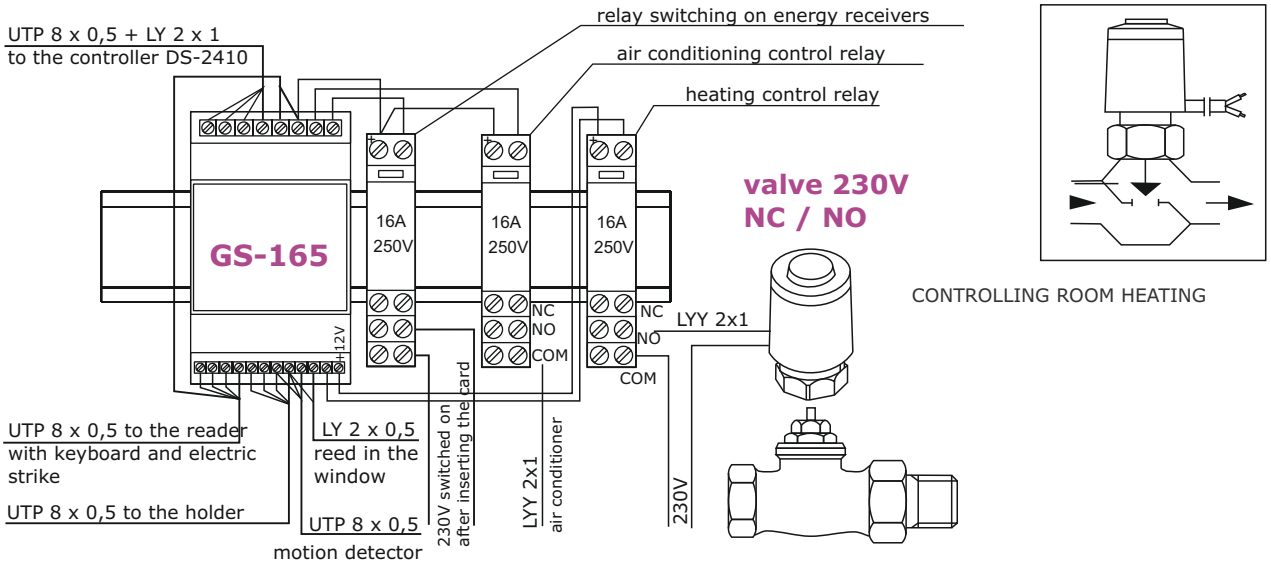
BASIC VERSION



AIR CONDITIONING AND HEATING FURNACE CONTROL

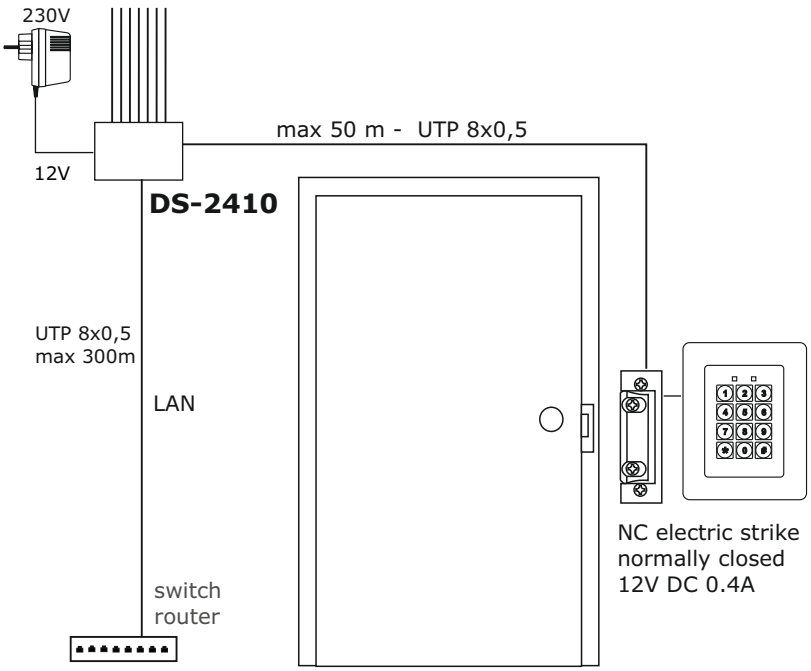


CENTRAL HEATING AND AIR CONDITIONING CONTROL

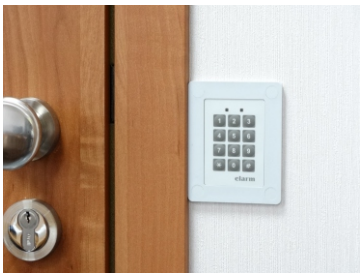


CONTROLLING ROOM HEATING

hotel room without automation (B) or entrance (W)

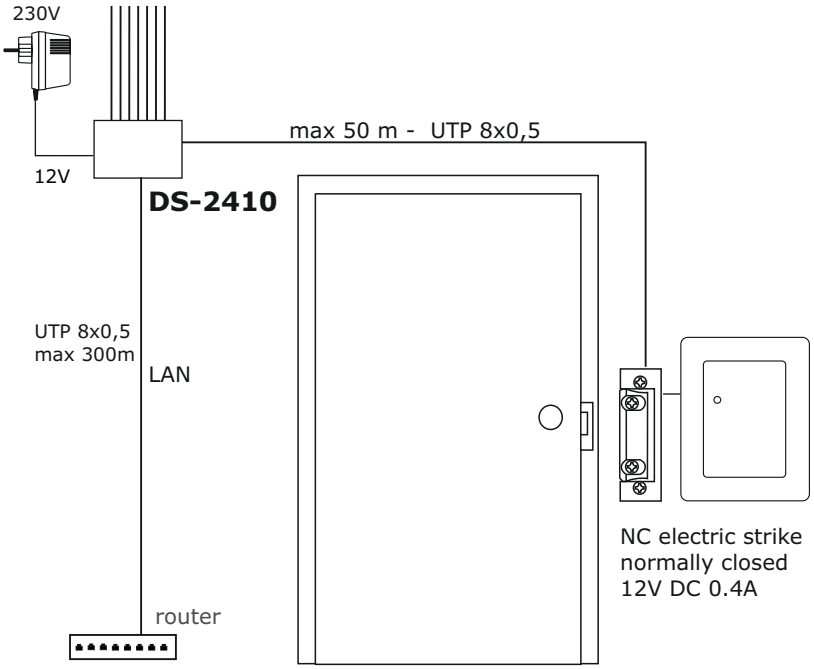


GS-280K



GS-270K

other doors only open with card (P)



GS-280

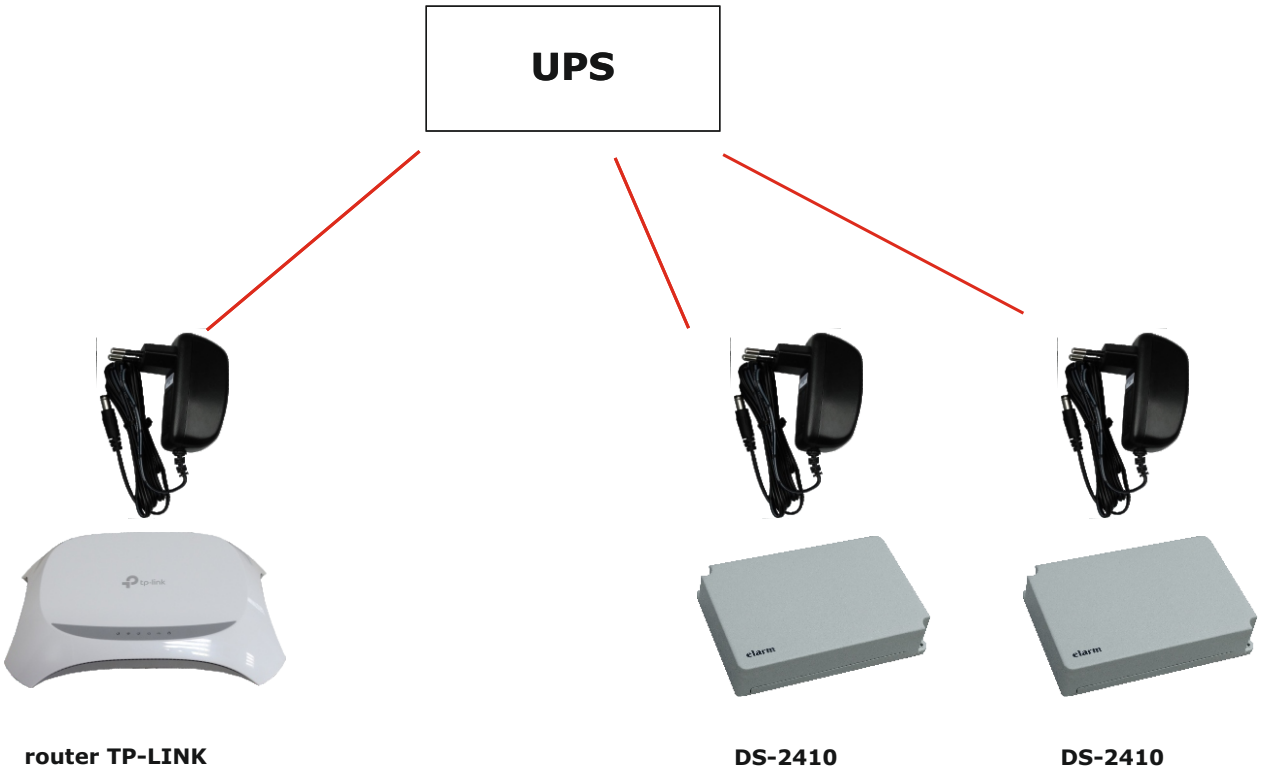
GS-270

the door from the outside should have a fixed knob, from the inside the handle

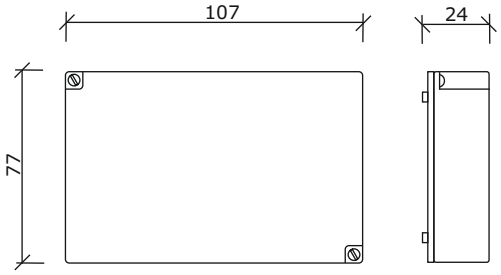
The door must be fitted with NC electric strike
(closed without voltage connected)
From the outside, the door should have a knob,
on the inside of the door handle.
This solution ensures evacuation in the event of a fire
and you don't have to use emergency buttons.
We recommend leaving the locks with a key opening.
In an emergency (no 230V voltage)
it will be possible to open the door with a key.

RESERVE POWER SUPPLY

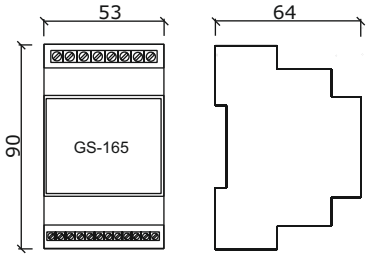
all devices can be connected to a UPS with a battery. The system will work after switching off 230V.



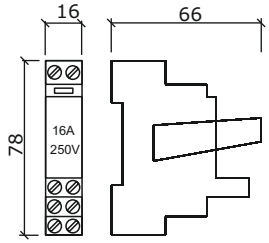
Program "Hotel_M" version for Windows



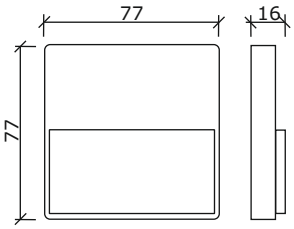
DS-2410 controller with power supply



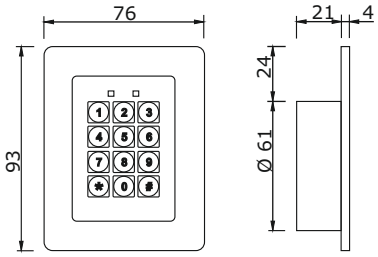
GS-165 - reader - installation under plaster



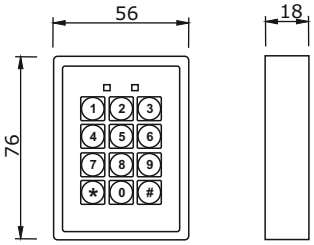
GS-165N - reader - mounting on plaster



GS-280K - installation under plaster



GS-270K - mounting on plaster



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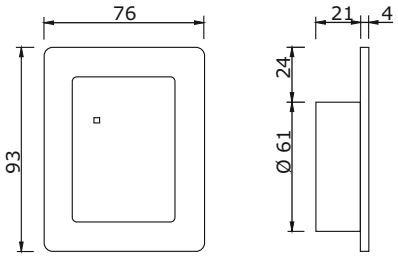
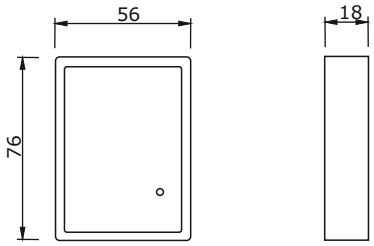
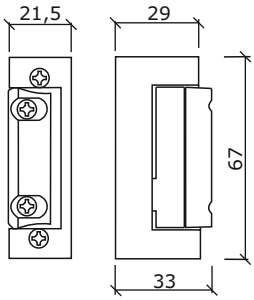
GS-280 - installation under plaster



GS-270 - installation on plaster



NC electric strike (normally closed) 12V DC 0.4A



Proximity cards - white with printed number

Relay - switching off the heating, air conditioning

router TP-LINK

The controller packaging contains a test card.

It is entered into the controller's memory with permission to open all 8 doors.
Please connect a test card to each GS controller after connecting it
If the cables are connected correctly, the passage should open.

This way you can check the entire installation without a computer.

After starting Hotel_M, please select the Configuration function
and after connecting to the controller click the Delete cards button

The test card number will be deleted from the controller memory.

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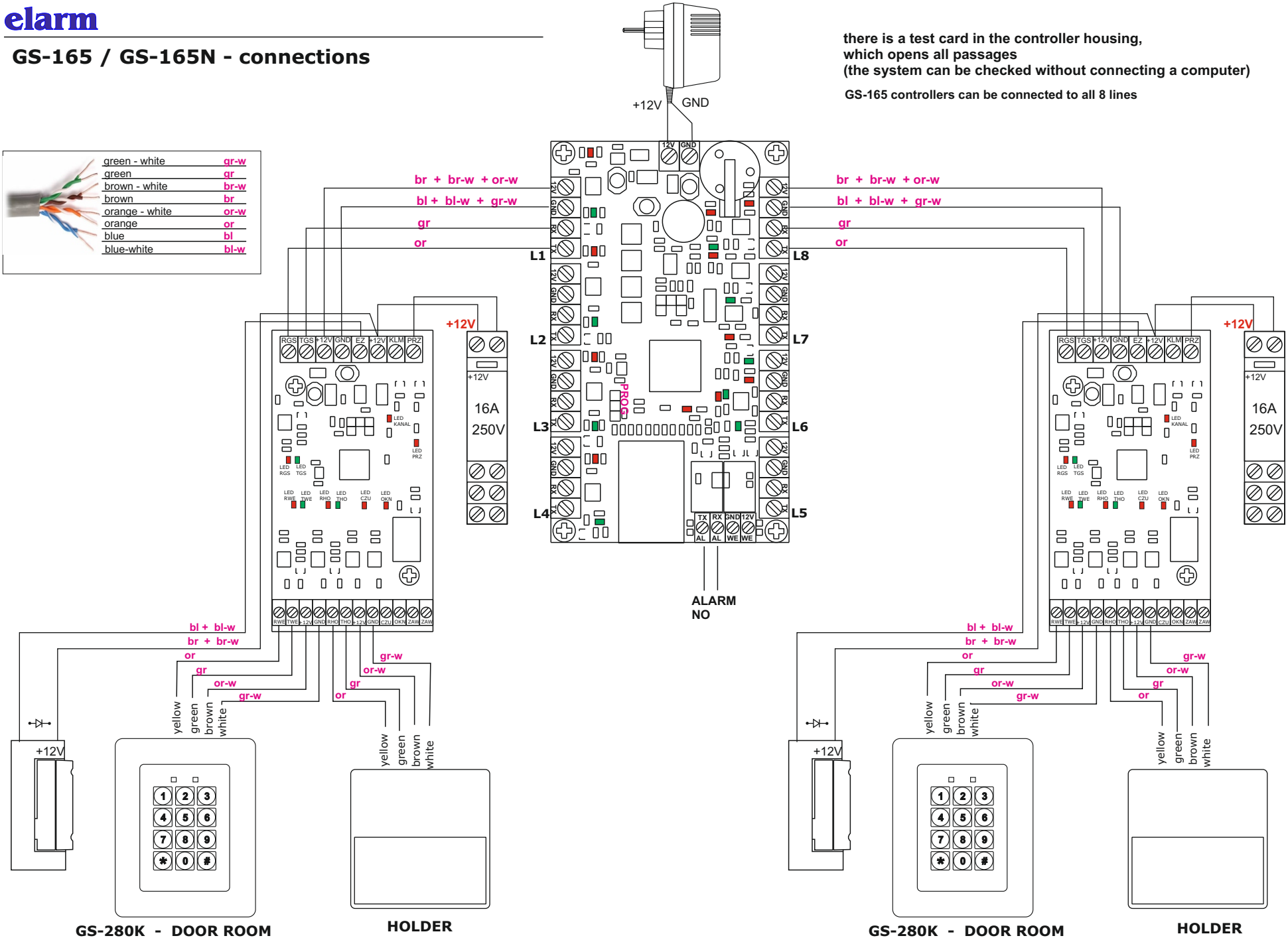
GS-165 / GS-165N - connections

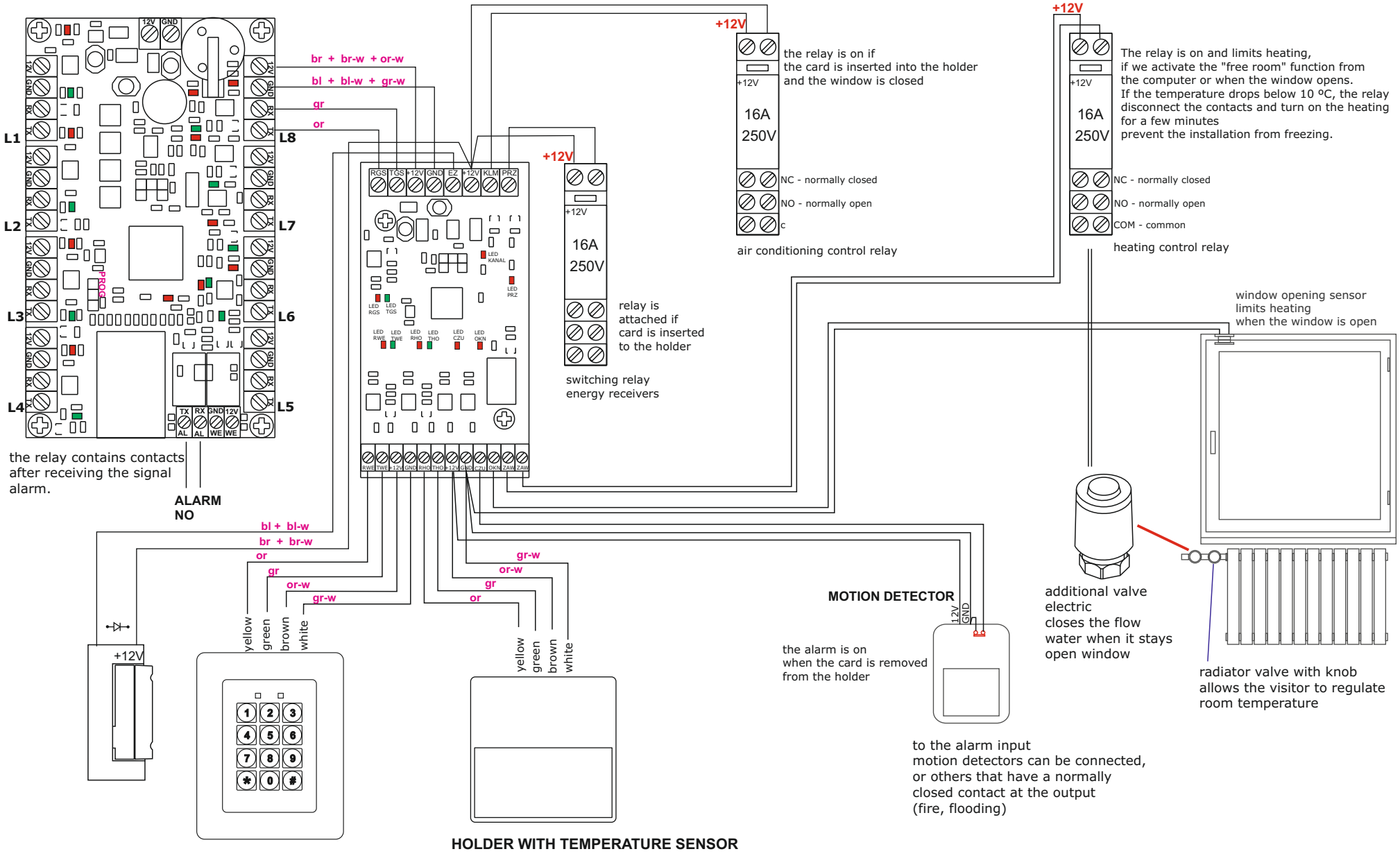
there is a test card in the controller housing,
which opens all passages
(the system can be checked without connecting a computer)

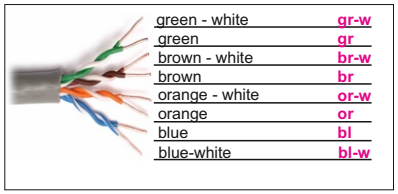
GS-165 controllers can be connected to all 8 lines

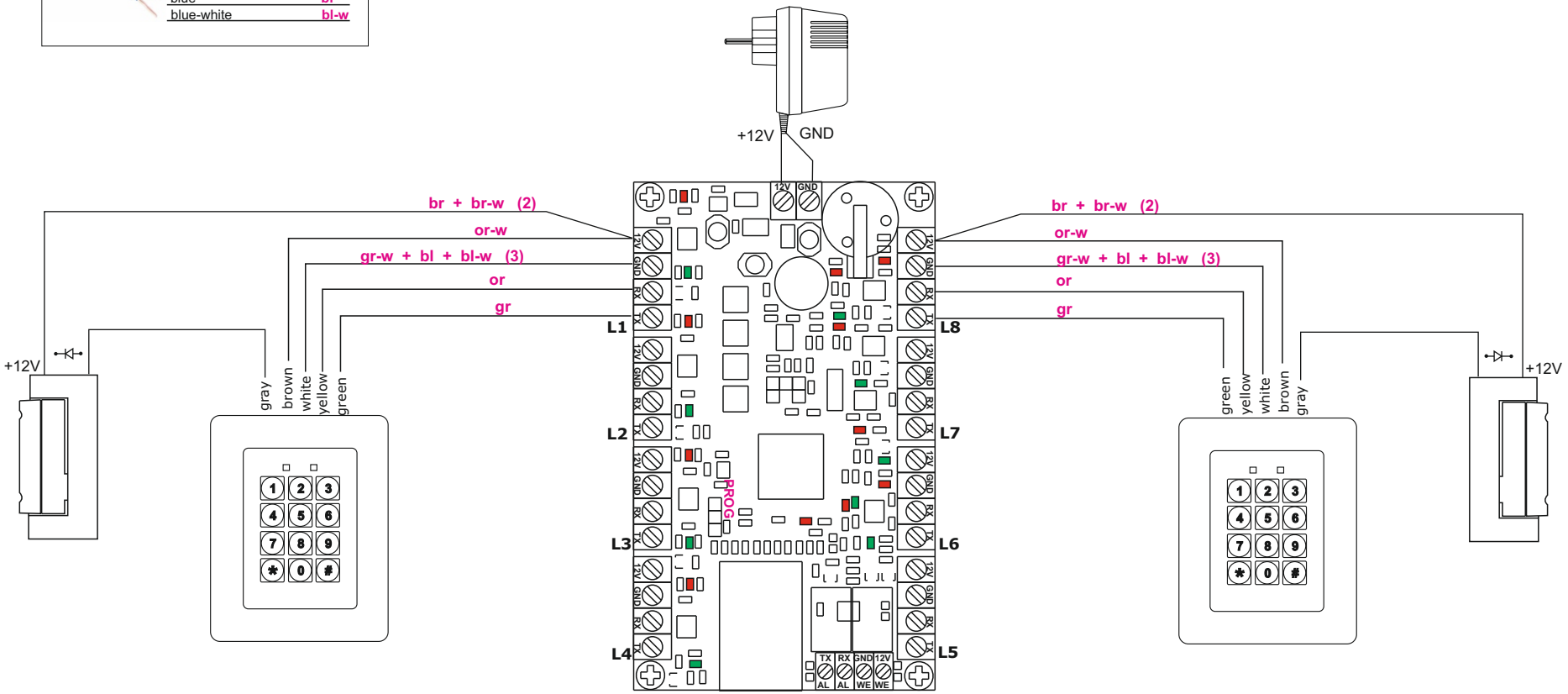
green - white	gr-w
green	gr
brown - white	br-w
brown	br
orange - white	or-w
orange	or
blue	bl
blue-white	bl-w



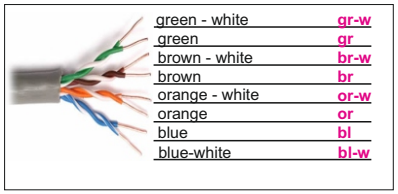
GS-165 / GS-165N heating, air conditioning, alarm control



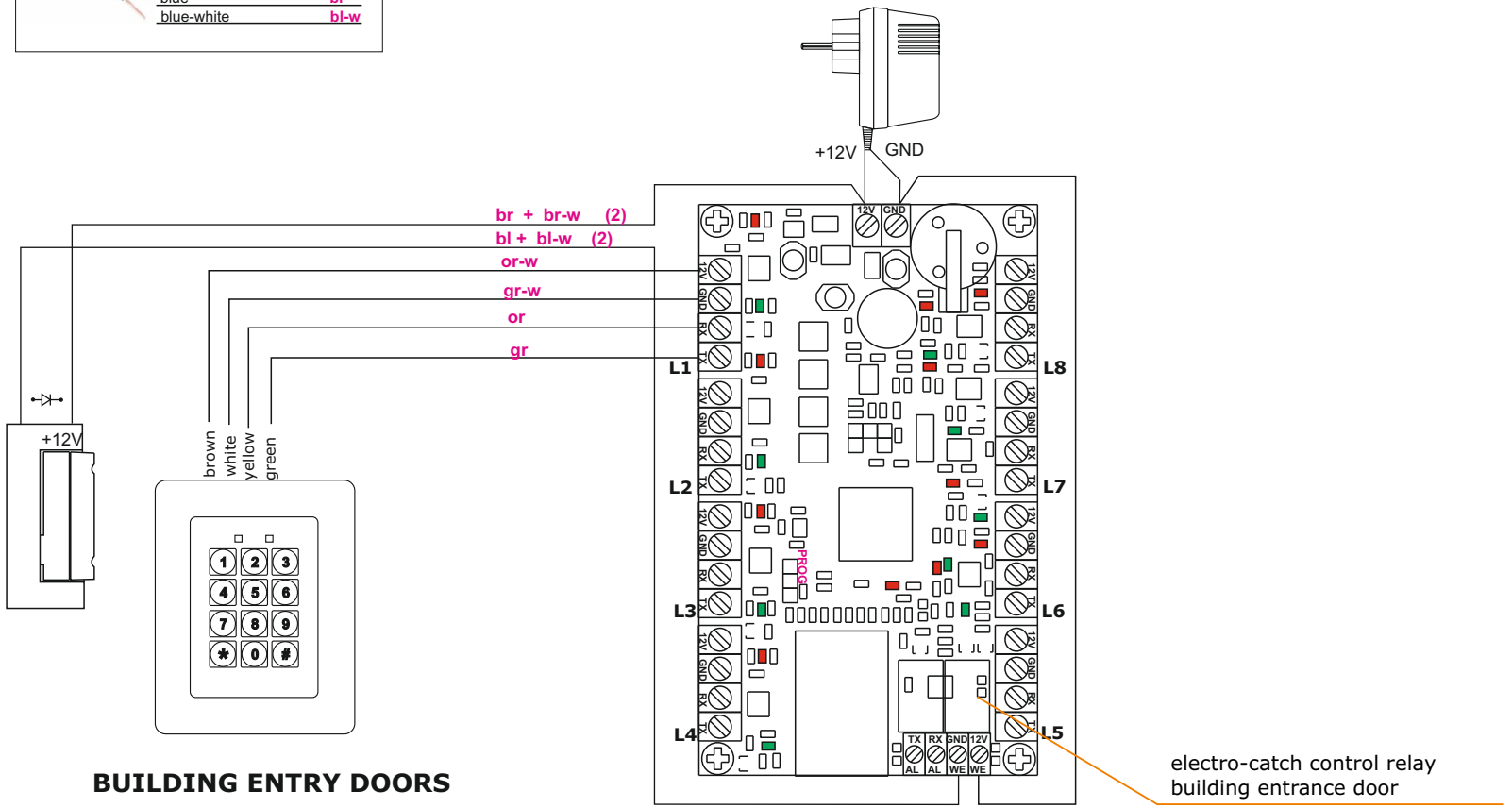

green - white gr-w
green gr
brown - white br-w
brown br
orange - white or-w
orange or
blue bl
blue-white bl-w


+12V
GND
br + br-w (2)
or-w
gr-w + bl + bl-w (3)
or
gr
L1
L2
L3
L4
L5
L6
L7
L8
PROG
+12V
gray
brown
white
yellow
green
green
yellow
white
brown
gray
+12V
1 2 3
4 5 6
7 8 9
* 0 #

BUILDING ENTRY DOORS GS-280K / GS-270K

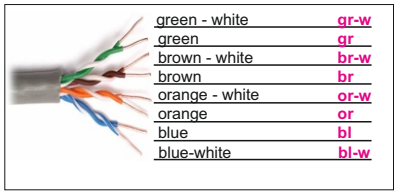


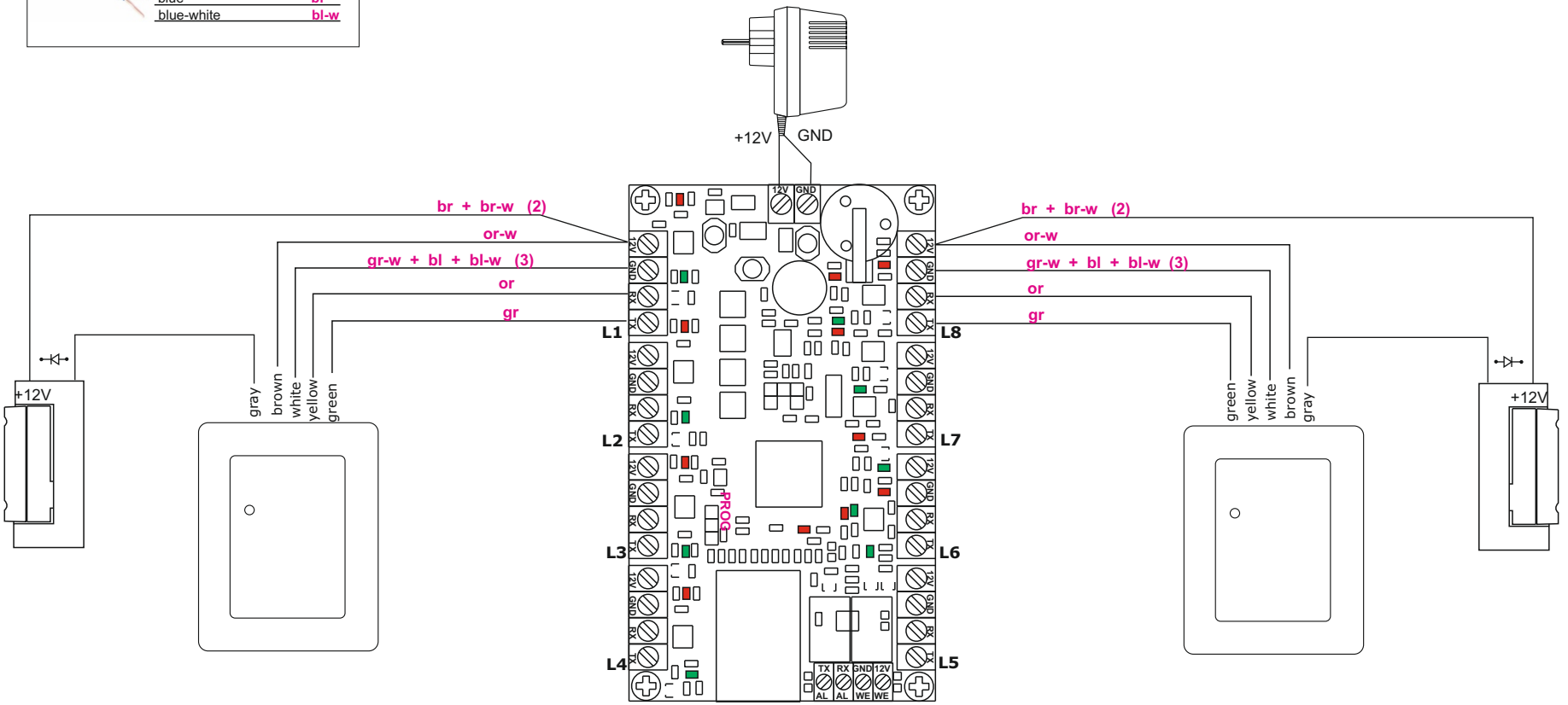
green - white	gr-w
green	gr
brown - white	br-w
brown	br
orange - white	or-w
orange	or
blue	bl
blue-white	bl-w



BUILDING ENTRY DOORS

the connection shown in the drawing can be used when
connecting the entrance door
this will increase the security of the installation
the door will not open even if the reader is completely destroyed

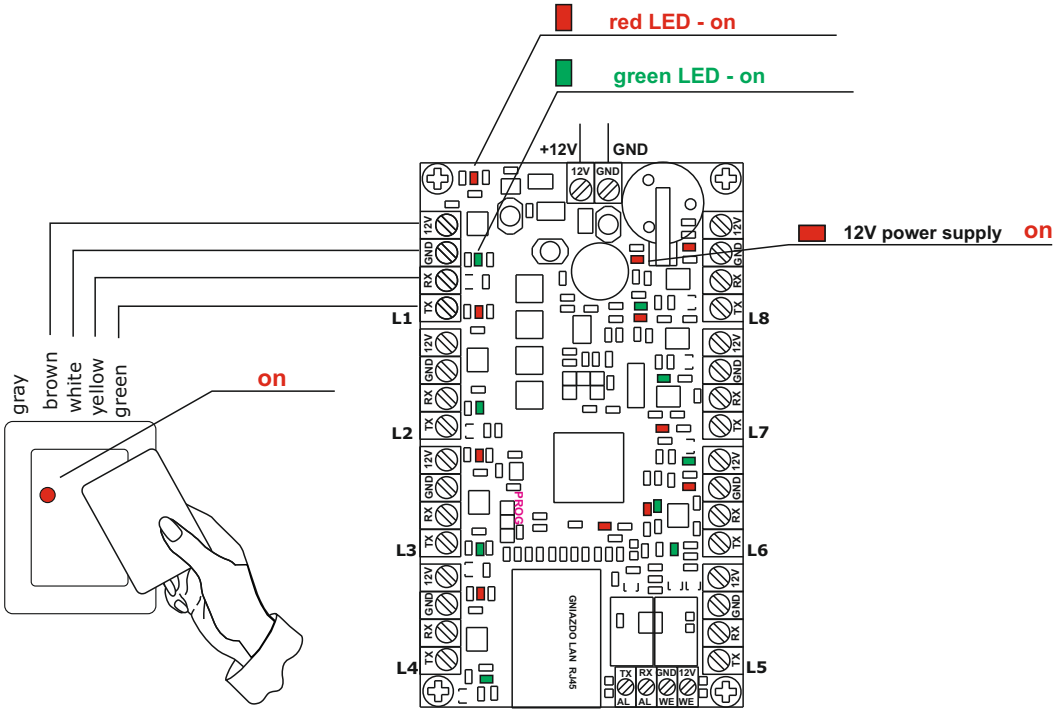

green - white gr-w
green gr
brown - white br-w
brown br
orange - white or-w
orange or
blue bl
blue-white bl-w

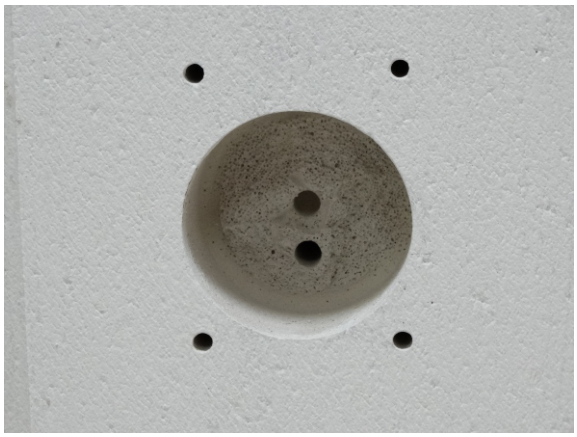

+12V
GND
br + br-w (2)
or-w
gr-w + bl + bl-w (3)
or
gr
L1
L2
L3
L4
L5
L6
L7
L8
PROG
TX AL
RX AL
GND WE
12V WE
gray
brown
white
yellow
green
+12V
green
yellow
white
brown
gray
+12V

DS-2410

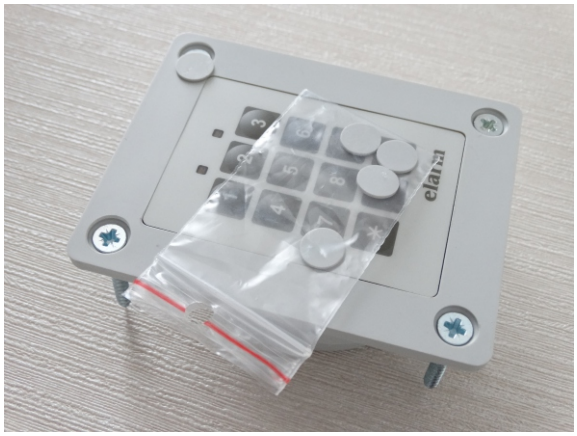
2 wires connected and close to the test card

4 wires connected and close-up of a test card





1 2 3
4 5 6
7 8 9
* 0 #
elarm


elarm