

8 relay actuator

F430R8

Description

This actuator can be used in temperature control systems to control different types of loads based on requirements.

Thanks to the 8 relays it is fitted with, the actuator can control:

- up to 8 On/off valves
- up to 4 Open/Close or 3-point valves
- up to 2 x 2-tube fan-coils with On/Off valves (4+4 relays)
- 1 x 2-tube fan-coil with 3-point valves (5 relays)
- 1 x 4-tube fan-coil with 2 On/Off valves (relays)
- 1 x 4-tube fan-coil with 2 x 3-point valves (7 relays).

Technical data

| | |
|----------------------------|----------------------------------|
| Power supply from SCS BUS: | 18 – 27 Vdc |
| Stand by absorption: | 15 mA |
| Max. absorption: | 100 mA |
| Operating temperature: | (+5) – (+40) °C |
| Maximum driven power: | 4 A (resistive); 1 A (inductive) |

Dimensional data

4 DIN modules

Configuration

| | | |
|---|------|---|
| | ZA | |
| ⊙ | ZB | ⊙ |
| ⊙ | N | ⊙ |
| ⊙ | LOAD | ⊙ |

ZA, ZB Actuator address
N= Progressive zone number
LOAD Type of load

LOAD = 0 Control of one 4-tube fan-coil with 2 On/Off valves

| | |
|------|---------------|
| OUT1 | Fan speed 1 |
| OUT2 | Fan speed 2 |
| OUT3 | Fan speed 3 |
| OUT4 | Heating valve |
| OUT5 | Cooling valve |
| OUT6 | Not used |
| OUT7 | Not used |
| OUT8 | Not used |

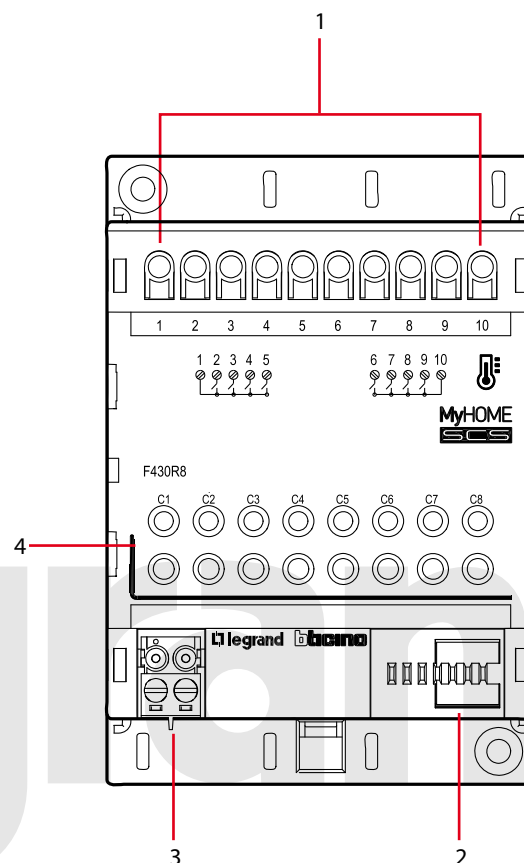
LOAD = 1 Control of one 2-tube fan-coil with 3-point valves

| | |
|------|---------------|
| OUT1 | Fan speed 1 |
| OUT2 | Fan speed 2 |
| OUT3 | Fan speed 3 |
| OUT4 | Valve opening |
| OUT5 | Valve closure |
| OUT6 | Not used |
| OUT7 | Not used |
| OUT8 | Not used |

LOAD = 2 Control of one 4-tube fan-coil with 3-point valves

| | |
|------|-----------------------|
| OUT1 | Fan speed 1 |
| OUT2 | Fan speed 2 |
| OUT3 | Fan speed 3 |
| OUT4 | Heating valve opening |
| OUT5 | Heating valve closure |
| OUT6 | Cooling valve opening |
| OUT7 | Cooling valve closure |
| OUT8 | Not used |

Note: better configuration possibilities, including the management of other types of loads, or the configuration of the free outputs, are available using MyHOME_Suite (in this case the described applications must be fully configured using a PC), starting from version 1.3, which can be downloaded from the website www.homesystems-legrandgroup.com



Legend

1. Outputs 1–8 + 2 common contacts
2. Configurator socket
3. BUS
4. Pushbuttons

8 relay actuator

F430R8

Wiring diagrams

Example of connection of a 4-tube fan-coil with On/Off valves.

