

Fan-coil actuator with 0-10 V valves

F430R3V10

Description

DIN modularity actuator to be used in temperature control systems for the control of 2-tube or 4-tube fan coils with 0-10 V valves

It has with 3 relays for the management of the fan-coil fan, and 2 x 0-10 V outputs for the control of the valves.

In systems with 2-tube fan-coils the H output is used both for heating and cooling.

In systems with 4-tube fan-coils the H output must be used to control the heating valve, while the C output for the cooling valve.

The LEDs indicate respectively the status of the valves and the active speed of the fan-coil fan.

Technical data

Power supply from SCS BUS:	18 – 27 Vdc
Stand by absorption:	20 mA
Max. absorption:	60 mA
Operating temperature:	(+5) – (+40) °C
Maximum current supplied by each 0-10 V output:	1 mA
Maximum driven power for the relays:	4A (resistive); 1A (inductive)

Dimensional data

4 DIN modules

Configuration

⊙	ZA	⊙
⊙	ZB	⊙
⊙	N	⊙
⊙	LOAD	⊙

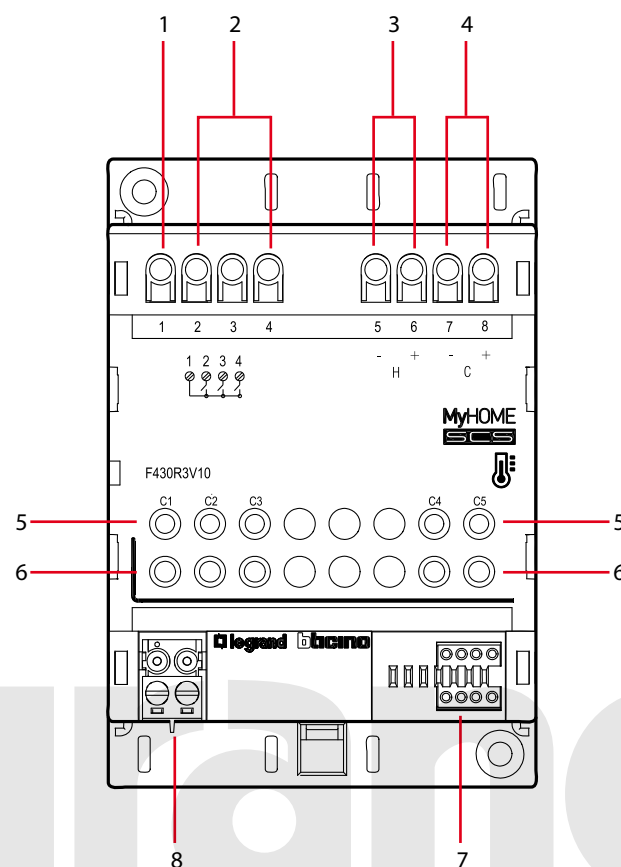
ZA, ZB Actuator address

N= Progressive zone number

LOAD Type of load

LOAD = 0; control of one 4-tube fan-coil with 0-10 V valves

LOAD = 1; Control of one 2-tube fan-coil with 0-10 V valves



Legend

1. Common contact
2. Fan-coil fan speed
3. Output H 0-10 V heating
4. Output C 0-10 V cooling
5. Pushbuttons for the complete opening/closure of the valves, and for changing the fan speed
6. LED
7. Configurator socket
8. BUS

Virtual configuration using the MyHOME_Suite software:

The device can be configured remotely only if not already physically configured. The configuration is completed using version 1.3 or higher of the MyHOME_Suite software, which can be downloaded from the website www.homesystems-legrandgroup.com.

Wiring diagrams

Example of connection of a 4-tube fan-coil with 0-10 V valves.

