![Legrand logo] www.legrand.com

HVAC actuator

Description

This actuator can be used on thermoregulation installations to control different load types according to requirements.

This actuator can control:
- 2-pipe fan coil unit with On/Off valve
- 2-pipe fan coil unit with 3-way valve
- 2-pipe fan coil unit with 0-10 V valve
- 4-pipe fan coil unit with two On/Off valves
- 4-pipe fan coil unit with two 3-way valves
- 4-pipe fan coil unit with two 0-10 V valves
- 3-speed fan
- 1 0-10 V fan.

Related items

|	
XWXM/XG8003	Smarther AC flush mounted
XW8003W	Smarther AC wall mounted
049043/44	Smarther AC flush mounted
049045	Smarther AC wall mounted
0 489 00/02/15/24/80	UXone Hotel thermostat Flush 230V
465001/03/15/24/80	UXone Hotel thermostat Flush 230V
0 489 04/06/27/29/81	UXone Hotel thermostat Flush 24V
465005/07/27/29/81	UXone Hotel thermostat Flush 24V
0 489 01/03/23/25/82	UXone Hotel thermostat Surface 230V
465002/04/23/25/82	UXone Hotel thermostat Surface 230V
0 489 05/07/28/30/83	UXone Hotel thermostat Surface 24V
465006/08/28/30/83	UXone Hotel thermostat Surface 24V

Technical data

Power supply:	110/240 VAC, 50/60 Hz
Standby consumption:	0.6 W
Maximum consumption:	1.5 W
Connection:	2 x 2.5 mm^2
Operating temperature:	5 – 40 °C
Storage temperature:	(-20) – (+70) °C
Purpose Control:	Thermostat
Type action:	1B
Construction Control:	Panel mounting

Standards, certifications, marks

EN 62368-1
EN 60730-1
EN 300328
CE marked

Dimensional data
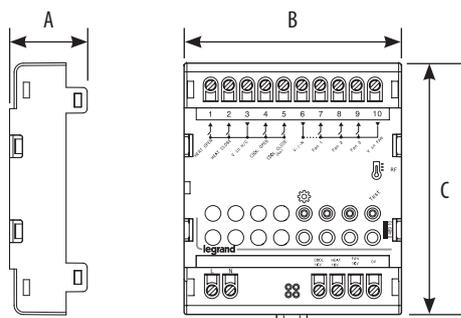
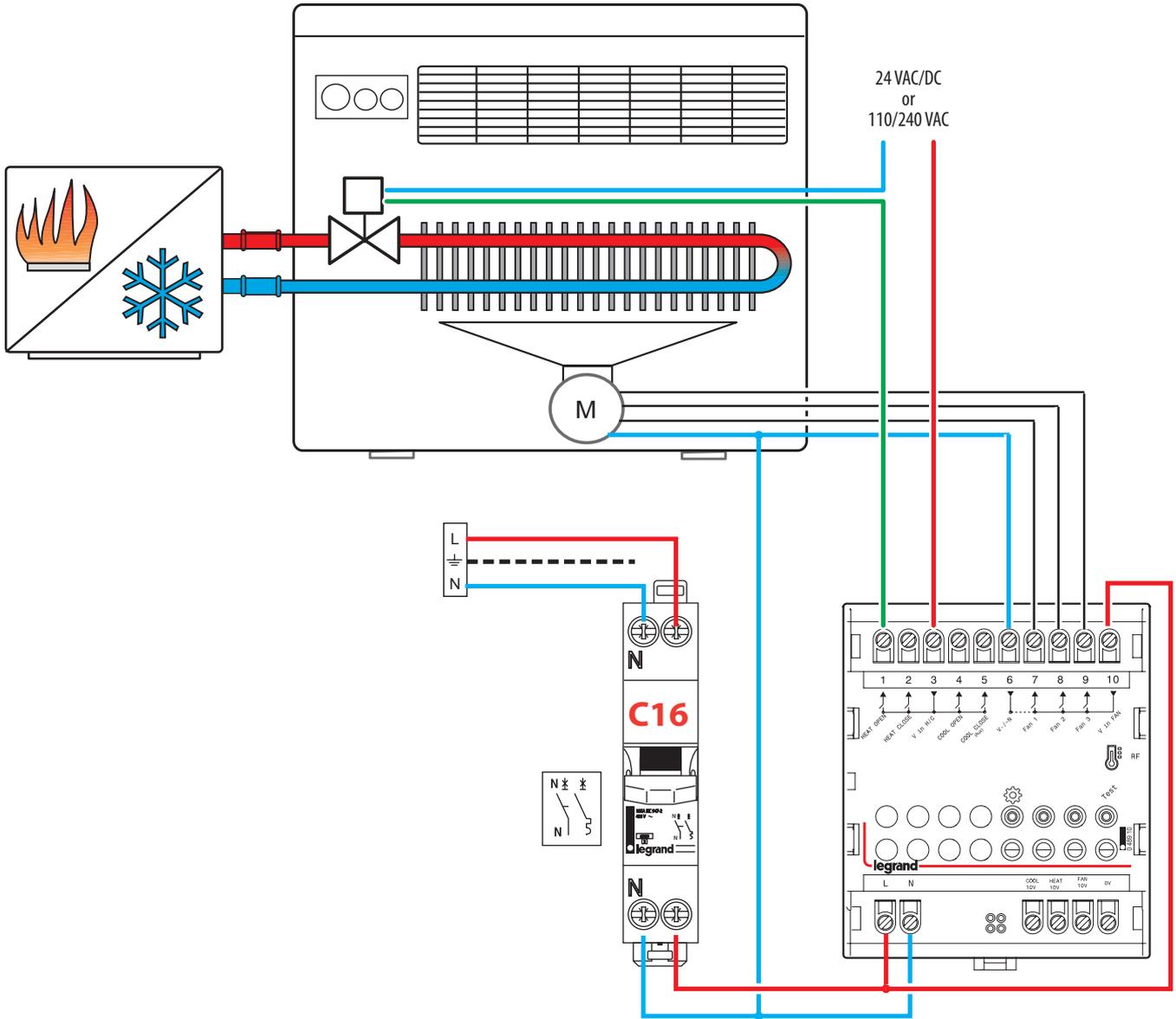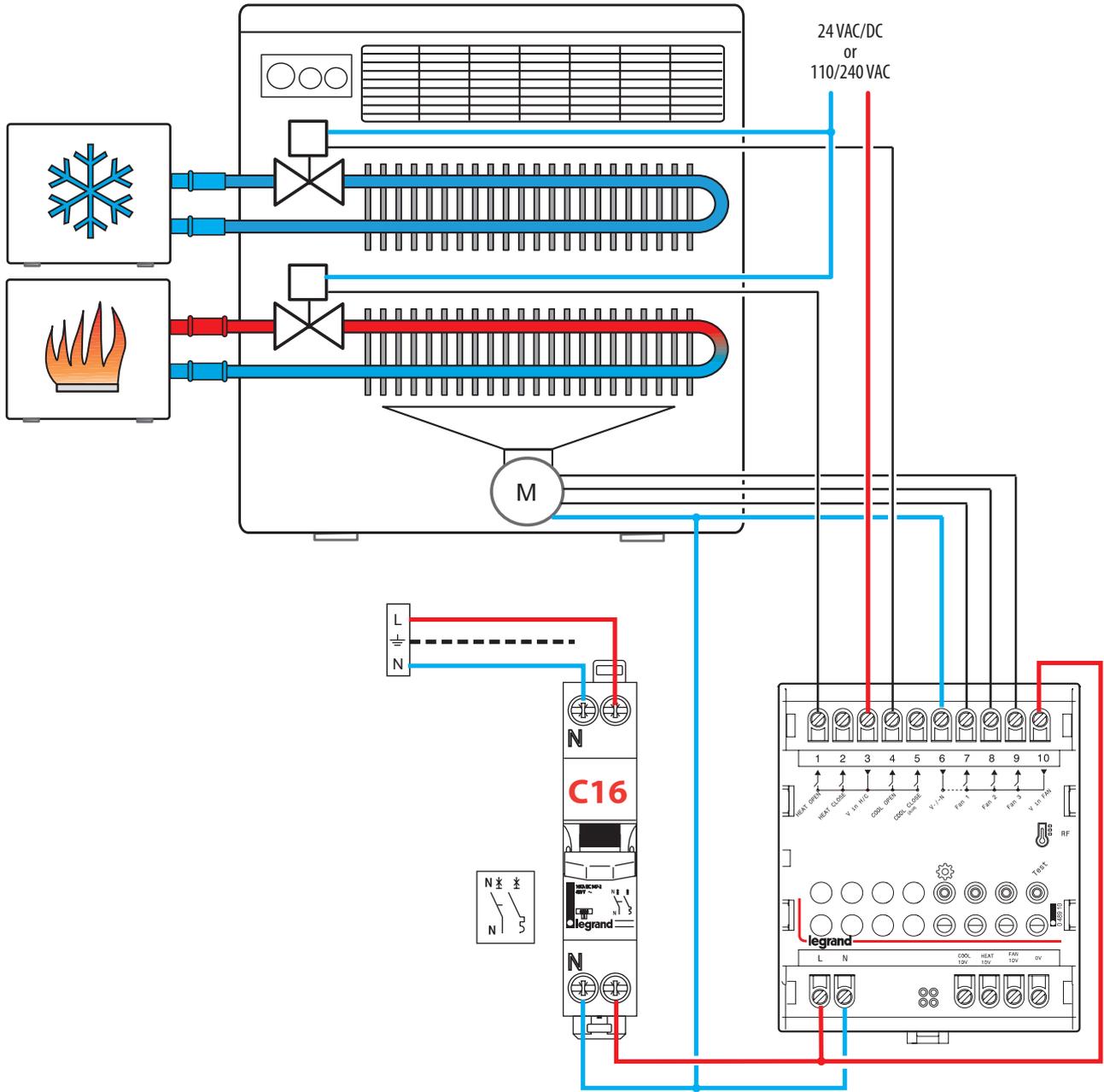| A	B	C
17.5 mm	71.5 mm	83.1 mm

Front view
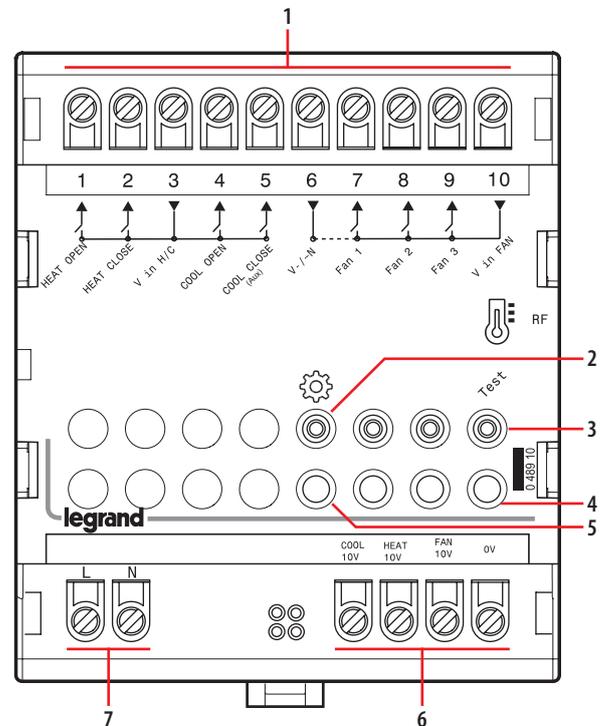
Legend

1. Valve outputs and fan relays:
   1 - Heat valve open connector
   2 - Heat valve closed connector
   3 - Power supply common input connector
   4 - Cool valve open connector
   5 - Cool valve closed or auxiliary heating connector
   6 - Power supply common input fan connector (neutral for AC and "-" for VDC)
   7 - Speed 1 fan connector
   8 - Speed 2 fan connector
   9 - Speed 3 fan connector
   10 - Power supply common input fan connector (phase for AC and "+" for VDC)

2. ⚙ button
   Open/close the radio network (<0.5s), Reset (>10s)

3. Test button
   Test mode: used to test the device without a network connection. To activate orw exit this mode, press and hold down the button until the status LED flashes. Then, browse the different steps in the test by pressing the test button briefly (see table at the end of the sheet)

4. LED indicator (Test)

5. ⚙ LED indicator: Red (off-net), Green (on-net)

6. 0 – 10 V outputs:
   - COOL 10 V. Cool 0-10 V connector
   - HEAT 10 V. Heat 0-10 V connector
   - FAN 10 V. Fan 0-10 V connector
   - 0 V. Common connector

7. Power supply terminals

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Wiring diagrams

1 x 2-pipe fan coil unit with On/Off valve
3-speed ventilation.
Heating and cooling.

24 VAC/DC
or
110/240 VAC

L
N

C16

1 2 3 4 5 6 7 8 9 10

HEAT OPEN | HEAT CLOSE | V I/I H/C | COOL OPEN | COOL CLOSE | V-/-N | Fan 1 | Fan 2 | Fan 3 | V I/I FAN

RF

Test

L N COOL 10V HEAT 10V FAN 10V 0V

1 x 4-pipe fan coil unit with 2 On/Off valves

3-speed ventilation.

24 VAC/DC
or
110/240 VAC

L
N

N

C16

N ⁂ ⁂
N

N

1 2 3 4 5 6 7 8 9 10

HEAT OPEN
HEAT CLOSE
V. in H/C
COOL OPEN
COOL CLOSE
V. - N
Fan 1
Fan 2
Fan 3
V. in FAN

RF

Test

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L N
COOL 10V
HEAT 10V
FAN 10V
0V

M

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Test mode

Steps	Fan Speed 3	Fan Speed 2	Fan Speed 1	Heat Open	Heat Closed	Cool Open	Cool Closed	Fan 0-10 V	Heat 0-10 V	Cool 0-10 V
0	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
1	Off	Off	**On**	Off	Off	Off	Off	**33%**	Off	Off
2	Off	**On**	Off	Off	Off	Off	Off	**66%**	Off	Off
3	**On**	Off	Off	Off	Off	Off	Off	**100%**	Off	Off
4	**On**	Off	Off	**On**	Off	Off	Off	**100%**	**25%**	Off
5	**On**	Off	Off	Off	**On**	Off	Off	**100%**	**75%**	Off
6	**On**	Off	Off	Off	Off	**On**	Off	**100%**	Off	**25%**
7	**On**	Off	Off	Off	Off	Off	**On**	**100%**	Off	**75%**

Back to step 0