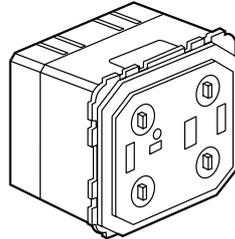


Céliane™
400-W dimmer, all loads

Cat. No(s): 670 84/87



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1. GENERAL CHARACTERISTICS

Dimmer for controlling lighting devices. Dimmer with level memory for switching on with the same light intensity used before switching off or mains cut-off.
Dimmer 670 87 can be controlled via a TV or DVD, remote control (not supplied).

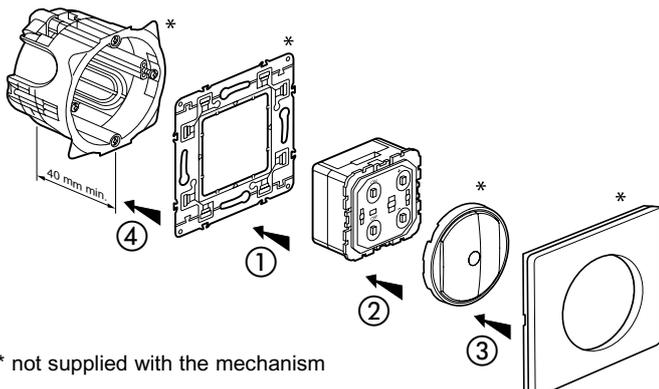
Cat. Nos	240 VAC		100 VAC		Use
	Max.	Min.	Max.	Min.	
670 84 670 87	400 W	40 W	200 W	20 W	Incandescent lamp
	400 W	40 W	200 W	20 W	230 V halogen lamp
	400 VA	40 VA	200 VA	20 VA	Halogen lamp with ferromagnetic transformer
	400 VA	40 VA	200 VA	20 VA	Halogen lamp with electronic transformer

Caution:
Take account of transformer losses when calculating power.
Transformers must be loaded to over 60% of their power capacity.

2. RANGE

Description	Cat. Nos	Gang	Connection method	Weight (g)	Characteristics
Dimmer 400 W all loads	670 84 670 87	1	with screws	50	240/100 V 50/60 Hz

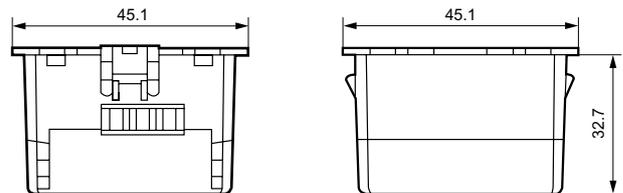
3. FITTING



3. FITTING (cont'd)

- 1 - The mechanism is clipped to the support
 - 2 - The rocker is clipped to the mechanism
 - 3 - The cover plate (supplied with the rocker) is clipped to the mechanism
 - 4 - The plate is clipped to the support
- Finishes: can be fitted with the full range of Céliane finishes.
Vertical and horizontal multi-gang mounting.

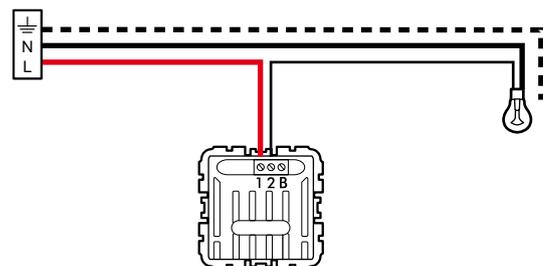
4. OVERALL DIMENSIONS



5. CONNECTION

Number of terminals	3
Terminal type	With screws
Terminal capacity	2 x 1.5 mm ² ou 1 x 2.5 mm ²
Screwdriver	Flat-blade screwdriver 3.5 mm or Philips No. 1 or Posidriv No. 1 or mixed size 0

5.1 Connection of one lighting point in replacement of a switch



(factory setting)

The phase can be connected to either terminal 1 or 2.

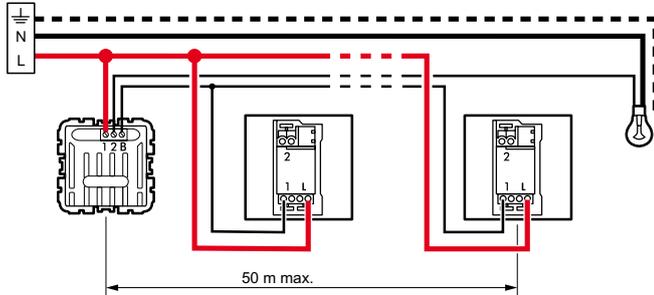
400-W dimmer, all loads

5. CONNECTION (cont'd)

5.2 Connection of several lighting points by combining non-illuminated pushbuttons (factory setting) (light dimming function from all control points)

Use of the NO pushbutton linked to the dimmer:

- Short press to switch on/off (< 2 s)
- Long press to vary the light level (> 2 s)



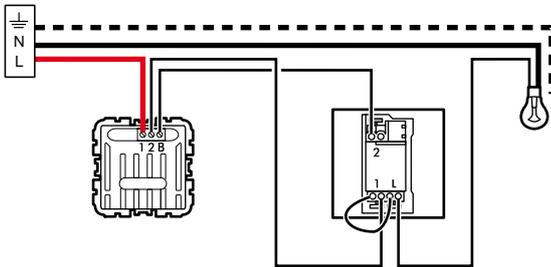
To reinitialize the «pushbutton» operating mode, if the rockers are installed, unclip them, then press on the + and - keys simultaneously for at least 2 seconds.

Caution:

The dimmer includes a «remote control switch» function that is incompatible with an installation that already contains remote control switches and pushbuttons.

5.3 Connection of 2 lighting points with a two-way switch (light dimming function from a dimmer only)

For this type of use, terminals L and 1 of the two-way switch should be interconnected.



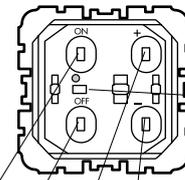
Initialization: if the rockers are installed, unclip them, then, when switching on, press the ON and OFF buttons simultaneously for 2 seconds.

Caution:

The dimmer can be connected to either the lamp or phase side; failure to strictly comply with the wiring diagrams, and failure to keep within the values indicated in the table (voltages, power, temperature, frequency, etc.) can destroy the device

6. OPERATION

To initialize the various types of use, if the rockers are installed, unclip them, then press the keys indicated in the table below for 2 seconds.



The AUX keys should be activated using a screwdriver

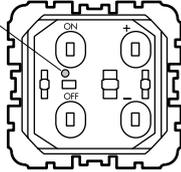
Types of use	ON	OFF	+	-	AUX	Operations
Reset to factory configuration (load recognition, capacitive mode, pushbutton assembly, level memory)	X	X	X	X		
Level memory activated	X	X	X			
Level memory deactivated	X	X		X		
Assembly by combining pushbuttons			X	X		
Capacitive override mode (no load recognition)	X	X		X	X	
Inductive override mode (no load recognition)	X	X	X		X	
Children rooms (preset levels + night-light)	X	X			X	
Preset levels mode			X	X	X	
Dimmer mode		X	X		X	

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6. OPERATION *(cont'd)*

Note: The dimmer is fitted with a LED located behind the rockers; this LED can indicate various statuses with automatic load recognition:

- Yellow: capacitive mode
- Red: inductive mode
- Flashing LED: override mode (yellow = capacitive; red = inductive).



7. TECHNICAL DATA

7.1 Mechanical characteristics

Impact tests: IK 02

Penetration by solid/liquid bodies: IP 20

} No rocker

7.2 Material characteristics

Base + cover: Polycarbonate

7.3 Electrical characteristics

Self-extinguishing: 650°C / 30 s

Voltage: 100 / 240 VAC

Consumption: 0.6 W in standby mode

4 W at max. load

Frequency: 50/60 Hz

7.4 Climatic characteristics

Storage temperatures: -10°C to +60°C

Operating temperatures: 0°C to +35°C

8. CLEANING

No cleaning

9. CONFORMITY - APPROVAL

Approvals in process: NF - BBJ - VDE - GOST