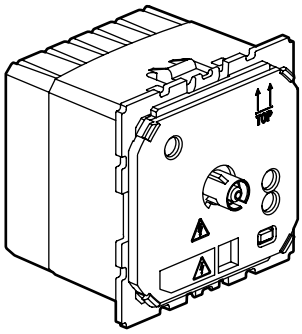
59494 Soest
Telefon (+49) 02 92 11 04 0 - (+49) 02 92 11 04 20 2

Thermostat Céliane with control input

Catalogue number(s) : 0674 10



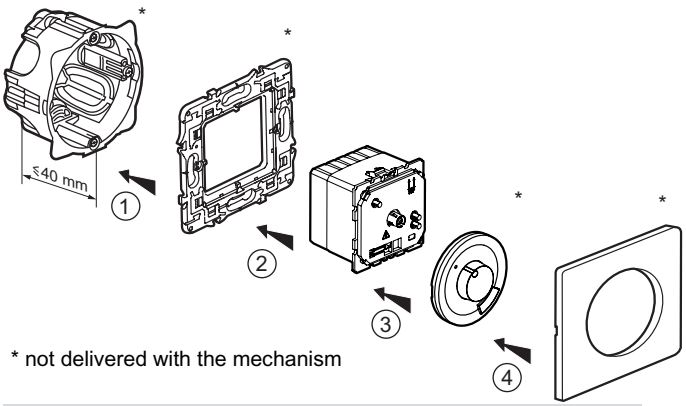
1. USE

The thermostat may be used for all kind of heating systems, especially for electrical or water heated convectors / radiators in a room. It may be used with floor- or ceiling heating systems, too.
The thermostat has a terminal for a fil pilote wire. With this wire the thermostat may be controlled from remote with signals according to the fil pilote standard. It recognizes the following six commands:
Confort, confort -1 K, confort -2 K, night, eco -4 K, frost protection, OFF.

2. RANGE

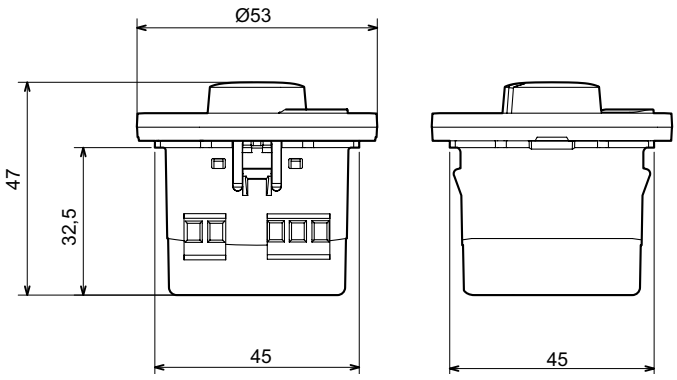
Description	Cat. No.
Electronic room thermostat 230 VAC, with sensor and control input	0 674 10

3. PREPARATION



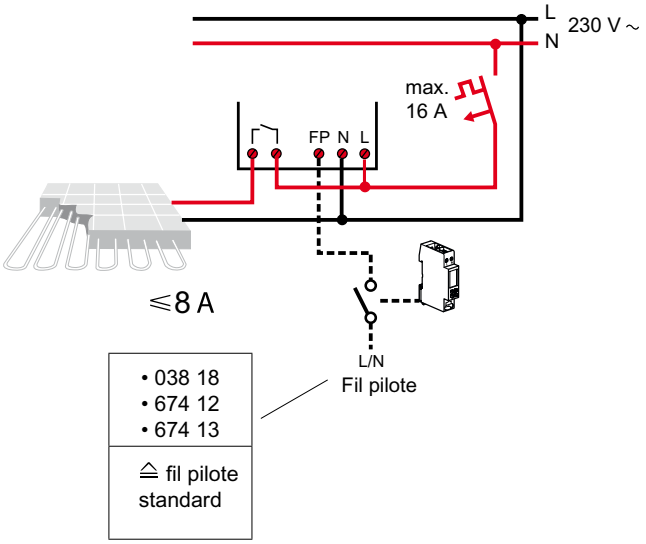
* not delivered with the mechanism

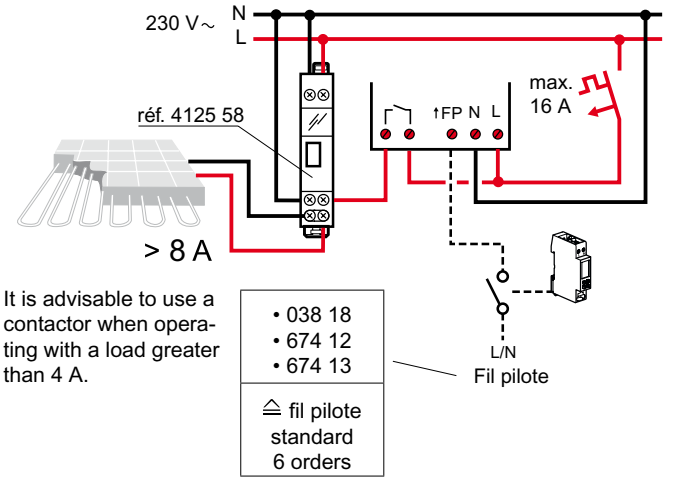
4. OVERALL DIMENSIONS (mm)



5. CONNECTION

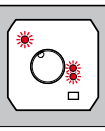
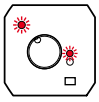
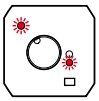
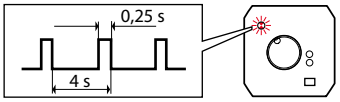
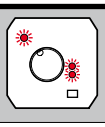
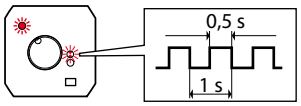
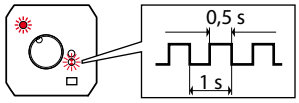
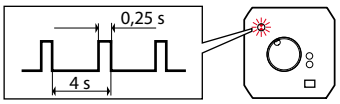
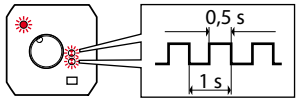
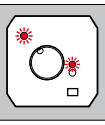
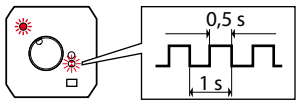
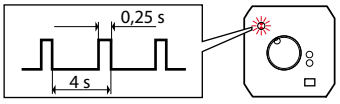
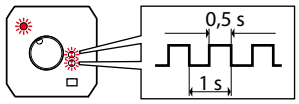
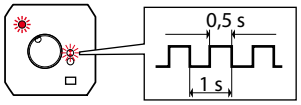
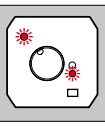
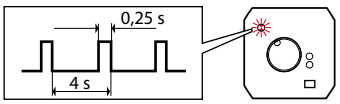
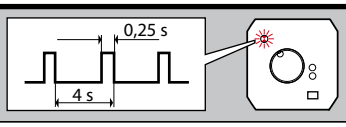
Number of terminals	5
Type of terminals	with screw
Length of stripping	6 mm
Capacities of the terminals	1 x 2,5 mm² flexible or rigid
Tool	Flat screwdriver 3,5 mm





It is advisable to use a contactor when operating with a load greater than 4 A.

Maximum operation distance : 50 m

Fil pilote		Legend LED
Comfort	Comfort	
	Night, eco	
	Frost protection	
	OFF	
Comfort -1 K Comfort -2 K	Comfort -1 K Comfort -2 K	
	Night, eco	
	Frost protection	
	OFF	
	Comfort	
Night, eco (comfort -4 K)	Night, eco	
	Frost protection	
	OFF	
	Comfort	
	eco	
Frost protection	Frost protection	
	OFF	
OFF	OFF	

6. FUNCTION

The thermostat has a built in temperature sensor. The output uses a relay contact, so it is either on or off. Internally the device employs an algorithm with a proportional zone and feedback to achieve a low ripple of the controlled temperature. This means, that the thermostat doesn't switch at fixed temperatures within the room. The actual switching depends on the temperature and the respective characteristics of thermostat, room and mounting place.

The actual set-point is adjustable with the turning knob between 10 ... 30°C. In the confort state this set-point is directly used for the temperature level of the room. In the other states the temperature is reduced according to the following table:

Confort	=	set-point
Confort-1	=	set-point – 1 K
Confort-2	=	set-point – 2 K
Night, Eco	=	set-point – 4 K
Hors gel	=	fix at 7°C
OFF		

The actual state is indicated with the LEDs on the device.

A long press on the «select» button adjust the brightness of the LEDs.

7. TECHNICAL CHARACTERISTICS

7.1 Mechanical caracteristics

Impact tests : IK 04
Penetration of body solides/liquides : IP 41 (C15-100)

7.2 Material caracteristics

Polycarbonate

7.3 Electrical caracteristics

Glow wire test (IEC 60 695-2-10, -2-11 : 650°C/30 s
Voltage : 230 VAC
Frequency : 50/60 Hz

7.4 Climatic caracteristics

Storage temperature : -10°C à +60°C
Ambient temperature : -5°C à +50°C

8. STANDARDS AND APPROVALS

Approvals in progress : NF - CEBEC - BBJ - EZU