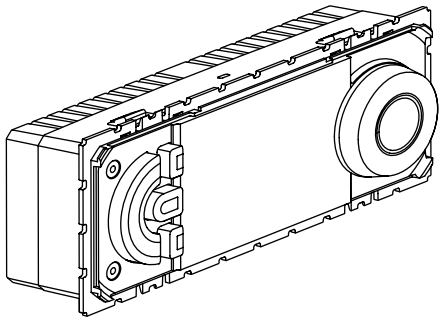
59494 Soest
Telefon (+49) 02 92 11 04 0 - (+49) 02 92 11 04 20 2

Thermostat programmable Céliane

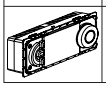
Catalogue number(s) : 674 02



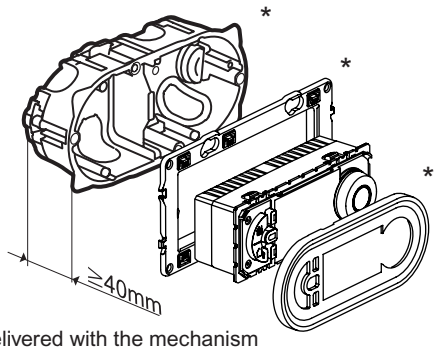
1. USE

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 device has a built in programmable time-switch which allows to change the set-point of the temperature according to the personal routine of the day.
The user interface is realised with a large graphical LCD screen; all textual information is displayed in one of 5 languages: English, German, French, Spanish, Dutch.

2. RANGE

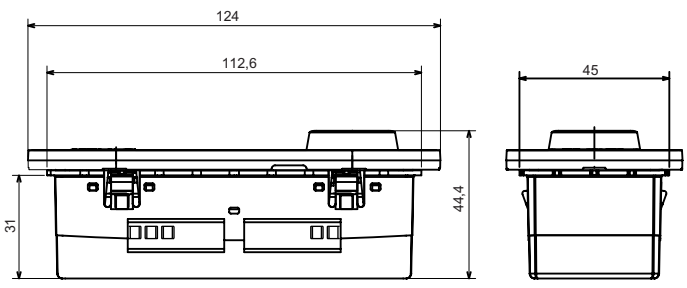
	Designation	Catalogue number	Number of modules	Connection mode	Weight(g)	Characteristics
	Thermostat	674 02	5	with screw	168g	230 V~ 50/60Hz

3. PREPARATION



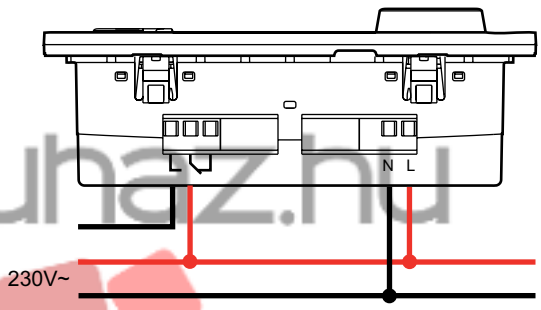
* not delivered with the mechanism

4. OVERALL DIMENSIONS



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



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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 thermostat employs two different levels of temperature for the time programs; these levels can be adjusted from the user:
Confort 17 – 25°C
Reduit 15 – 20°C
Additionally it has a fixed level for the frost protection (hors gel) at 7°C

The device can be in one of 4 different modes:

AT-HOME
With a dedicated button the user can select the AT-HOME mode. In this mode two alternative time programs are available, one uses the confort-level of temperature all the time of the day (0:00 to 24:00), the other only for the time between 6:00 and 22:00. The rest of the time the reduit-level is used.
With a simple key-press the device switches to the AT-HOME mode for an unlimited time. Alternatively it is possible to pre-select a number of days (1 to 30) for this mode. After the expiring of this time the device switches back to the AUTO mode automatically.
In the AT-HOME mode a manual override of the set-point temperature is not possible.

NOT-AT-HOME
With a dedicated button the user can select the NOT-AT-HOME mode. In this mode two alternative temperature levels are selectable, the hors-gel or the reduit level. Per default the hors-gel level is pre-selected. The chosen temperature level is employed all the time of the day (0:00 to 24:00).
With a simple key-press the device switches to the NOT-AT-HOME mode for an unlimited time. Alternatively it is possible to pre-select a number of days (1 to 30) for this mode. After the expiring of this time the device switches back to the AUTO mode automatically.
In the NOT-AT-HOME mode a manual override of the set-point temperature is not possible.

AUTO
In this mode 1 of 5 programs (P1 to P5) controls the set-point of the temperature. The programs switch between the confort- and the reduit-level of temperature. They may be different for each day of the week. P1 to P4 are predefined but changeable and P5 is completely user configurable. The user can select the active program.

MAN
During the AUTO mode the set-point actually used can be overridden from the user. This is done by turning the rotating knob. The temperature level can be varied from 7 to 30°C.
The overriding of the set-point is not permanent. With the next switching of the program the temperature level returns to the defined confort- or reduit-level.

7. GENERAL 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. MAINTENANCE

Without maintenance

9. CONFORMITY - APPROVALS

Approvals in progress : NF - CEBEC - BBJ - EZU