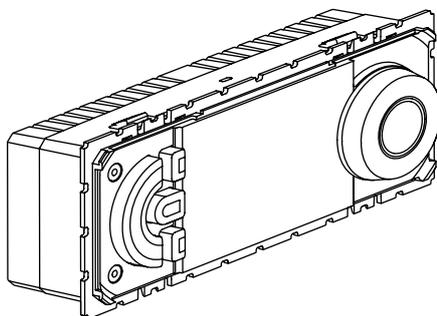


Céliane™ Programmer with control output 2 + 1 zones

Cat. No(s): 674 12



1. USE

The 3 zone programmer may be used for all kind of heating systems equipped with a fil pilote control wire. For each zone individually or for all zones together the programmer can be set to one of 4 modes: AT HOME, NOT AT HOME, AUTO, MAN. In the AUTO mode the device is controlled from an internal programmable time-switch which allows to change the state of the fil pilote signals of each zone according to the personal routine of the day.

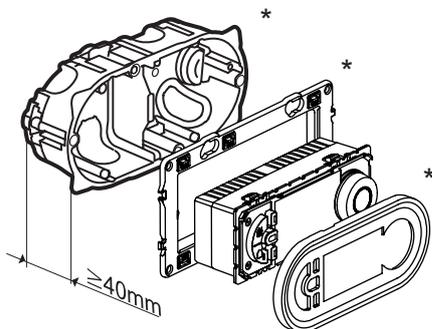
The device can be used stand-alone with fil pilote heating equipment or together with a gestionnaire fil pilote, which processes the information coming from the EDF counter. In conjunction with the 038 18 the zones Z1 and Z2 should be used, since these two allow a bidirectional communication with the gestionnaire.

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

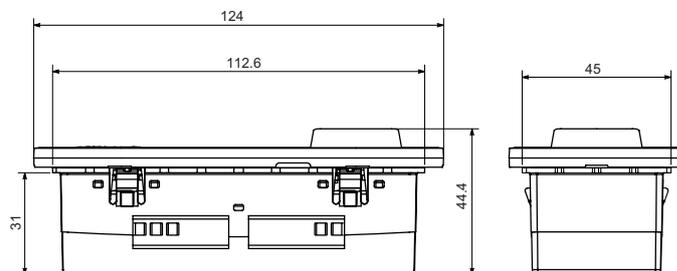
	Designation	Cat. No.	Number of modules	Connection mode	Weight (g)	Characteristics
	Thermostat	674 12	5	with screw	168	230 V~ 50/60 Hz

3. PREPARATION



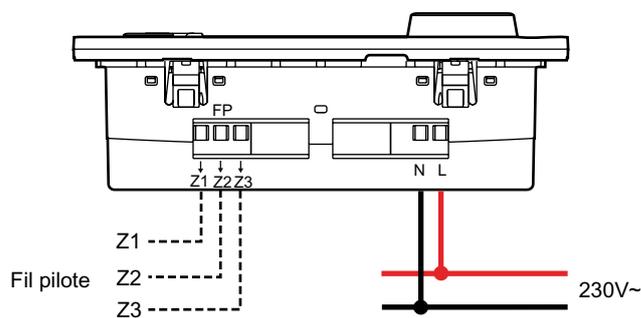
* Not delivered with the mechanism

4. OVERALL DIMENSIONS



5. CONNECTION

Number of terminals	5	
Type of terminals	with screw	
Length of stripping	6 mm	
Capacities of the terminals	1.5 mm ² ... 4 mm ²	1.5 mm ² ... 2.5 mm ²
Tools	Flat screwdriver 3.5 mm	



6. FUNCTION

In its default view the programmer shows three icons to display an overview of the states of the three controlled zones. The turning knob moves the cursor between these three zone; the ok-button selects one zone for individual changes. After selecting one zone, the state of the individual zone and its time-program is shown. In this screen it is possible to set the zone to another state manually simply by turning the knob; the appearance for the user closely resembles that of a thermostat programmable.

The programmer employs two different fil pilote states for the time programs; these levels can be adjusted from the user:

Confort → Confort, Confort - 1 °C, Confort - 2 °C

Reduit → Eco.

The device has three fil pilote outputs which may be connected directly to heating devices or the derogation inputs of gestionnaires like the 038 18. For the gestionnaire the outputs of Z1 and Z2 should be used since these allow a bidirectional communication between gestionnaire and programmer. In this case the programmer can show the demands of the gestionnaire.

AT-HOME

With a dedicated button the user can select the AT-HOME mode. In the default view (3 zone display) AT-HOME is invoked for all 3 zones simultaneously; in the individual zone display only for the selected zone.

In the AT-HOME mode two alternative time programs are available, one uses the confort-level 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 fil pilote state is not possible.

NOT-AT-HOME

With a dedicated button the user can select the NOT-AT-HOME mode. In the default view (3 zone display) AT-HOME is invoked for all 3 zones simultaneously; in the individual zone display only for the selected zone. In this mode two alternative states are selectable, the hors-gel or the reduit level. Per default the hors-gel level is pre-selected. The chosen fil pilote state 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 fil pilote state is not possible.

AUTO

With a dedicated button the user can select the AUTO mode. In the default view (3 zone display) AUTO is invoked for all 3 zones simultaneously; in the individual zone display only for the selected zone.

In this mode 1 of 7 programs (P1 to P7) controls the state of the outputs. The programs switch between the confort- and the reduit-level. They may be different for each day of the week. P1 to P4 are predefined but changeable and P5, P6, P7 are completely user configurable. The user can select the active program for each zone individually.

The time programs can have up to 4 block of confort level per day, up to a total of 28 blocks per program. The time resolution is 15 min. The programs are stored permanently.

MAN

In the individual zone view the fil pilote state actually used can be overridden from the user. This is done by turning the rotating knob. The state can be varied from Confort to hors gel; arret is not possible. The overriding of the state is not permanent. With the next switching of the program the state returns to the automatically defined confort- or reduit-level.

7. GENERAL CHARACTERISTICS

7.1 Mechanical characteristics

Impact tests: IK 04

Penetration by solid bodies/liquids: IP 41 (C15-100)

7.2 Material characteristics

Polycarbonate

7.3 Electrical characteristics

Glow wire test (IEC 60 695-2-10,-2-11: 650°C/30 s)

Voltage: 230 VAC

Frequency: 50/60 Hz

7.4 Climatic characteristics

Storage temperature: - 10° C to + 60° C

Ambient temperature: - 5° C to + 50° C

8. MAINTENANCE

Without maintenance

9. CONFORMITY - APPROVALS

Approvals in progress: NF - CEBEC - BBJ - EZU