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Thermostat with display
Description

Thermostat with display for the control of the room temperature in temperature control systems.

It has 4 capacitive keys that can be used to select the desired temperature and the various operating modes (antifreeze, thermal protection and programmed temperature); when used with fan-coils, it can manage the fan speed.

It can also be used in mixed heating/cooling systems, if the two functions are available at the same time on the same system.

A contact is also available on the back of the device, to change the operating mode of the thermostat (e.g. window contact, summer/winter switching, etc.).

It is internally equipped with a humidity probe: the measured humidity value can be used for the humidity logic, which can be natively configured in the MyHome servers (F460 or Classe 300E0S) through Home + Project app. Some other advanced applications can be possible thanks to the integration with third-party systems through Driver manager, item F459.

Compatible boxes

502E	PB502N
503E	PB503N
504E	PB504N
506L	PB506N

Device NOT COMPATIBLE with:

- 502EF, 503EF, 504EF, 506EF (accessories for masonry walls);
- PB502NNF, PB503NNF, PB504NNF, PB506NNF (accessories for plasterboard walls).

Related items

The thermostat must be used with the following actuator devices:

- F430/2 ON/OFF 2-relay actuator;
- F430/4 ON/OFF 4-relay actuator;
- F430R8 ON/OFF 8-relay actuator;
- F430R3V10 ON/OFF 3-relay actuator with 2 x 0 – 10 V outputs;
- F430V10 actuator with 2 x 0 – 10V outputs.

Not compatible with the 4-to-99-zone temperature control units (L-N-NT-HC-HD-HS4695 and 3550).

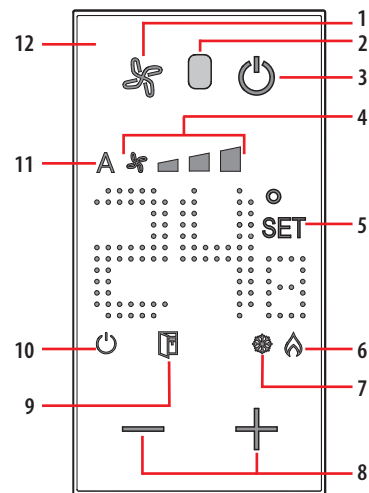
Technical data

Power supply	18 – 27 Vdc
Absorption	60 mA max
Operating temperature	0 – 40 °C
Temperature set-point	3 – 40 °C; increase of 0.5 °C
Recommended installation height:	150 cm from the ground
Controllable loads:	On/Off, open/close, 3-point or 0 – 10V valves. 2-tube and 4-tube fan-coils with On/Off, 3-point, or 0 – 10V valves. 2-tube and 4-tube fan-coils with 0 – 10V speed control. Gateway.

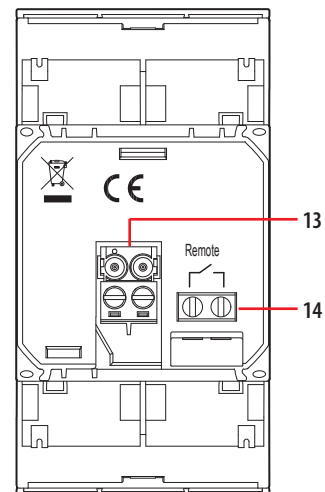
Dimensional data

Size: 2 flush mounted modules.

Front view



Rear view


Legend

1. Fan key: sets the speed of the FAN-COIL on three levels plus automatic.
2. Lighting sensor
3. ON / OFF key
Touch to switch from ON to OFF and vice versa.
ON status:
system in normal mode, Set point temperature
OFF status:
System in anti-frost (7 °C) or heat-protection (35 °C) mode
4. FAN-COIL speed indicator, three levels.
5. Temperature setting indicator:
appears when the temperature is being set
6. ON heating indicator
7. ON cooling indicator
8. Keys for temperature setting
9. Window indicator: active local contact according to the programming completed by the installer.
10. Thermostat OFF indicator (see point 3)
11. FAN COIL in automatic mode indicator.
12. Backlight display
13. SCS clamps
14. Local contact (window)

Thermostat with display

Configuration

For device configuration and installation and for any other information, refer to the App or documentation that can be downloaded from the on-line catalogue of the device.

[Download App](#)



Home + Project

The apps can be downloaded from their respective stores.
It is recommended to update the smartphone or tablet operating systems to the latest available version.

In addition, you can configure the device using the MyHOME_Suite software, to have many more options of configuration.

Note: In case of first installation, or measured temperature very different from the actual temperature, wait a few minutes before re-checking the measured room temperature.

Functions

The functions available vary depending on the interaction mode.

Function	Thermostat	MyHOME	Hotelsupervision
Programmed temperature	YES	YES	YES
Protection mode activation	YES	YES	YES
Setpoint Comfort activation	NO	NO	YES
Setpoint Eco activation	NO	NO	YES
OFF (thermostat OFF)	NO	NO	YES
Fan adjustment	YES	YES	YES
Summer/winter change	NO	YES	YES