

Electronic thermostat

P415

/ Description

Electronic chronothermostat with GSM connection and wall installation, designed to control the ambient temperature both in heating (winter) and in cooling (summer).

The free app, available on the App Store and Google Play, allows the control even from your smartphone or tablet. Any alarm situations (for example the boiler block) are signaled by sending an SMS to the specified address.



/ Functionality

- On/off temperature regulation (with adjustable differential) or proportional
- Antifreeze function: allows setting a minimum temperature (antifreeze temperature) to be maintained when the device is switched off to prevent system freezing
- Configurable digital input for connecting an external contact (for alarm signaling) or a temperature probe X.temp
- Automatic summer time change
- Keypad lock with password to prevent changes by unauthorized persons
- 5 numbers can be stored to control the device
- Night function: allow you to set a reduction of temperature set during the night. The star and end times of the night-times band can be set

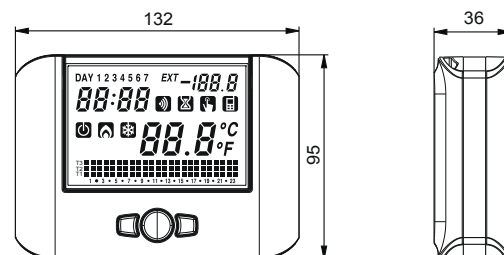


/ Functions when remote

- **Through a ringing telephone** to switch on and off the thermostat
- **Sending an SMS** to:
 - switch on and off the thermostat
 - set the regulation temperatures
 - request the measured temperature or the overall situation of the system
- **Receipt of an SMS** if:
 - a generic external alarm through digital input (for example boiler block alarm)
 - a power failure/restore alarm
 - an alarm of exceeding the minimum/maximum temperature threshold

/ Codes and dimensions

Art.	Code	Voltage
P415	88P4150153	230 volt



/ Components

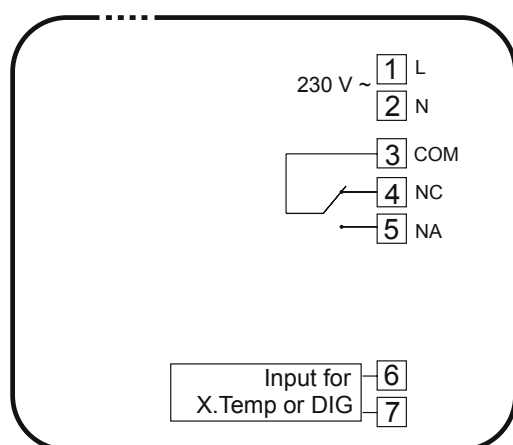


- 1 - Plastic base for wall-mounting or to cover the 3 modules flush-mounting box
- 2 - Wide display to view the measured temperature
- 3 - Keypad hidden behind the front panel
- 4 - Terminal on the back of the device for connecting the load, the power supply and the external contact/remote temperature probe
- 5 - GSM Quad-band module (850-900-1800-1900 MHz) integrated and compatible with 3V sim card and standard gsm 11.12 phase 2+
- 6 - Slot for sim card insertion

Technical features

Power supply:	V AC	230 (-15% ÷ +10%)
Frequency	Hz	50/60
Charge reserve	h	1
Mounting:		Wall / Box 503
Output relay capacity 250 V AC	A	5
Operating mode		summer / winter
Temperature measurement internal probe	°C	0 ÷ +50
Temperature measurement externa probe	°C	-40 ÷ +60
Temperature regulation range	°C	+2 ÷ +50
Measurement precision	°C	0,5
Gap between two temperature measurements	s	20
Regulation type		ON-OFF or proportional
Temperature resolution	°C	0,1
Adjustable differential (in ON-OFF):	°C	0,1 ÷ 1
Operating temperature	°C	0 ÷ +50
Storage temperature	°C	-20 ÷ +65
GSM Quad-band module	Mhz	850 - 900 - 1800 - 1900
Protection degree	IP	XXD
Relative humidity	HR	20% ÷ 90% non condensing

Wiring diagram



Applicable standards

Compliance with Community Directives 1995/5/CE (R&TTE) is declared with reference to the following standards:

- CEI EN 60730-2-7 / CEI EN 60730-2-9
- CEI EN 301489-1 / CEI EN 301489-7