C830RL

WIRELESS ZONE THERMOSTAT-HUMIDISTAT

LoRa

- Suitable for temperature and humidity display and control in heating or cooling systems using the Fantini Cosmi wireless multi-zone system

- Long-range LoRa® radio communication

- Universal installation and flexible use thanks to battery power and the complete kit with both rectangular and square bases

- Remote control via APP through the CH180WIFIRL multizone Wi-Fi radio chronothermostat

Available on the App Store *
ANDROID APP ON Google play

* with CH180WIFIRL

Power supply	2 x 1.5V AA alkaline batteries
Battery life	> 1 year
Temperature setpoint range	2 ÷ 30 °C, 0.1°C increasing
Relative humidity (RH) setpoint range	30–70% RH; OFF
Control differential	Standard, 0.3 ÷ 5 K
Reference thermal gradient	4 K/h

STANDARDS AND CERTIFICATIONS

- Compliant with EN 60730-1 and relevant Part 2 standards
- Compliant with Directive 2014/53/EU (RED)

CE

DIMENSIONS (mm)

125*
98
20
98
20,5
*Rectangular base
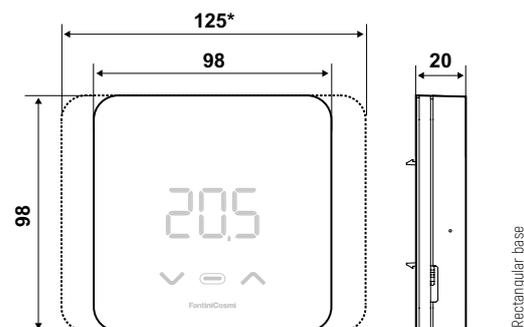
INSTALLATION

■ SQUARE BASE: Wall-mounted or flush-mounted installation in type 500 or 502 boxes, at a height of approximately 1.5 m from the floor, in a location suitable for accurately detecting room temperature.

■ RECTANGULAR BASE: Wall-mounted or flush-mounted installation in type 503 boxes, at a height of approximately 1.5 m from the floor, in a location suitable for accurately detecting room temperature.
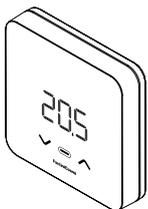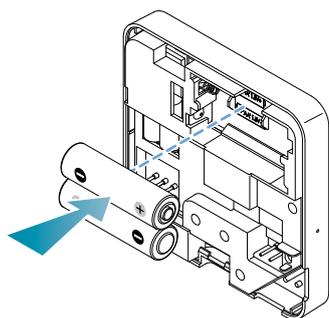
ELECTRICAL FEATURES

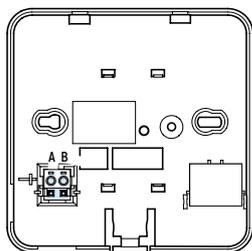| Power supply	2 x 1.5V AA alkaline batteries
Software	Classe A

■ ELECTRICAL CONNECTION

BATTERY POWERED

CONNECTION FOR FLOOR PROBE (optional)

Connect terminals A-B to the NTC 10K floor probe (Code EC19).

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GENERAL FERATURES

Temperature setpoint range	2 ÷ 30 °C; 0.1°C increasing
Room temperature measurement/display range	-2 ÷ +50 °C; resolution 0.1°C
Relative humidity (RH) setpoint range	30–70% RH; OFF
Relative humidity (RH) measurement/display range	1–99%
Temperature display	°C/°F (set from CH180WIFIRL)
Reference thermal gradient	4 K/h
Maximum ambient temperature	45 °C
LED shutdown	5 to 10 seconds after last key press
Storage temperature	-10 ÷ +60 °C
Software	Class A
Insulation class	Class II
Protection rating	IP32
Pollution degree	2
Transmission frequency in ISM band	EU868
NTC 10K floor probe input	-2°C ÷ +60°C
Key lock	With password

OPERATION

- The C830RL thermostat-humidistat functions as a zone room sensor, displaying the current temperature and humidity settings and allowing users to modify them, such as adjusting the desired temperature and humidity levels.

- The C830RL communicates the set and detected values via LoRa® radio protocol to the Fantini Cosmi CH180WIFIRL multizone chronothermostat, which acts as the system "supervisor."

- In radiant panel systems operating in summer mode, with the support of the optional EC19 floor probe, it enables precise room temperature control. It allows the cooling system to shut off upon reaching the Dew Point limit, while simultaneously activating the dehumidifier (if available).
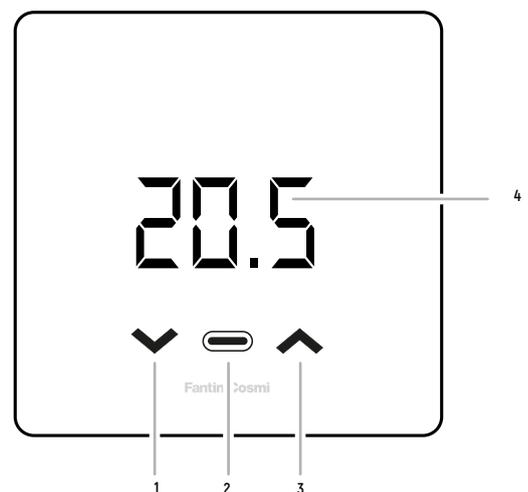
1	Down button – Decreases values
2	Mode button + heating/cooling LED
3	Up button – Increases values
4	Temperature/humidity display and basic functions

SPECIFICATIONS

Fantini Cosmi wireless zone thermostat-humidistat for ambient temperature control in multizone heating and cooling systems.

Features: White color; Battery powere; Display lock with password; Minimum and maximum setpoint limits for summer/winter modes; Wall-mounted or flush-mounted on type 503 boxes; Temperature setpoint range: 2 ÷ 30 °C; Control differential: STD / 0.3 ÷ 5 °C; Reference thermal gradient: 4 K/h; Frost protection temperature range: 2÷7°C; Protection rating: IP32. Compliant with EN 60730-1 and relevant Part 2 standards.

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