

TEUM01AQA – TEUM01AQB

Wireless wall-mounted room thermostat, humidistat and air quality meter with LCD touch screen

Room thermostat, humidistat and air quality meter for detecting temperature, humidity and air quality in the area, compatible with room temperature control systems that use CDOM1x, CRM4.0, CR05xWIFI series multimedia programmable thermostats and compatible derivatives.

The device is equipped with an LCD touchscreen display that locally indicates the detected temperature and humidity, as well as the air quality level, sharing the information with the multimedia programmable thermostat.

Specifically, the display indicates the operating status of the zone/room temperature control (ON/OFF), the active seasonal mode (heating/cooling), the current and set temperature (Tset), the detected humidity, the Air Quality Index level, and any low battery warnings.

Air quality levels are displayed based on the eCO₂ value: Good (<=800 ppm), Fair (>800 ppm), Poor (>1000 ppm) and Bad (>1500 ppm).

Some functions can be password protected to prevent unauthorized changes to settings. Specifically, the following can be protected: Auto operating mode, local OFF operating mode, the Tc set temperature change mode (Tcustom), access to the RF TEST and radio range check function, and the factory default reset operation.

The device complies with European Directive 2014/53/EU (RED).

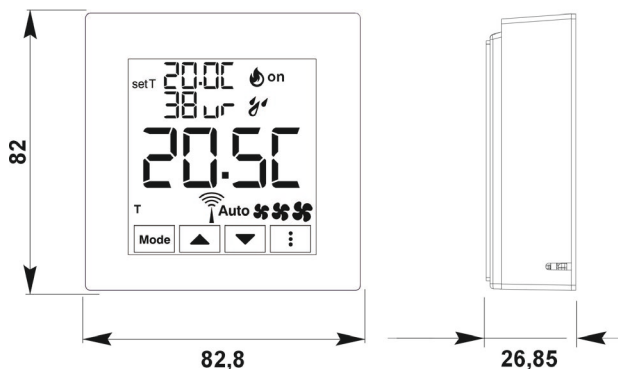
Important note: this device is part of the CDOM and CRM4.0 Building Automation System, compliant with UNI EN ISO 52120:1, whose automation level/class certification must be drawn up by a specific professional in compliance with the certification procedures reported in the UNI TS 11651 Technical Specification.



TEUM01AQA



TEUM01AQB



Dimensioni (mm)

TECHNICAL FEATURES

Power supply:	230V \pm 10% 50Hz
Room temperature probe:	Built-in
Room humidity probe:	Built-in
Air quality probe:	Built-in
Display:	Electronic digital LCD 3" touch screen
Backlighting:	Always on / Off after 6 seconds
Output:	1 potential-free changeover contact: 5(3)A/250VAC
Operation:	ON/OFF or modulating
Protection rating:	IP30
Connection:	Bidirectional RF868MHz wireless radio
Connection range:	30 to 80 m
Temperature adjustment range:	+4 to +39.0°C, in 0.5°C steps
Relative humidity adjustment range:	5% to 95%
Air quality detection range:	400 to 9999ppm
Index display range AQI:	Good, Fair, Poor, Bad
Reading accuracy:	\pm 1°C
Thermal gradient:	1°K / 15 min
Offset:	Temperature / relative humidity
Blocks:	Temperature / humidity
Indications:	Anomalies

SPECIFICATION ITEM

Wall-mounted digital LCD touch-screen zone thermo-hygrometer and air quality (IAQ) meter, Perry brand, model 1PE2TEUMAQ01A (anthracite) or model 1PE2TEUMAQ01B (white), with three temperature levels and antifreeze; Temperature setting range 4–39°C in 0.5°C increments; Relative humidity measurement range 5–95% with \pm 2% accuracy; CO2 concentration measurement range 400–9999ppm with four IAQ indicators (Good, Fair, Poor, Bad); Touch keys for function selection: temperature increase/decrease (custom mode), zone AUTO and OFF mode selection, and IAQ level display; 230Vac power supply, 5mA consumption; wall or round box mounting; Bidirectional RF-868MHz connection with multimedia programmable thermostat; Degree of protection IP30; Complies with Directive 2014/53/EU (RED); Dimensions 82x83x27mm.