

RTX01M

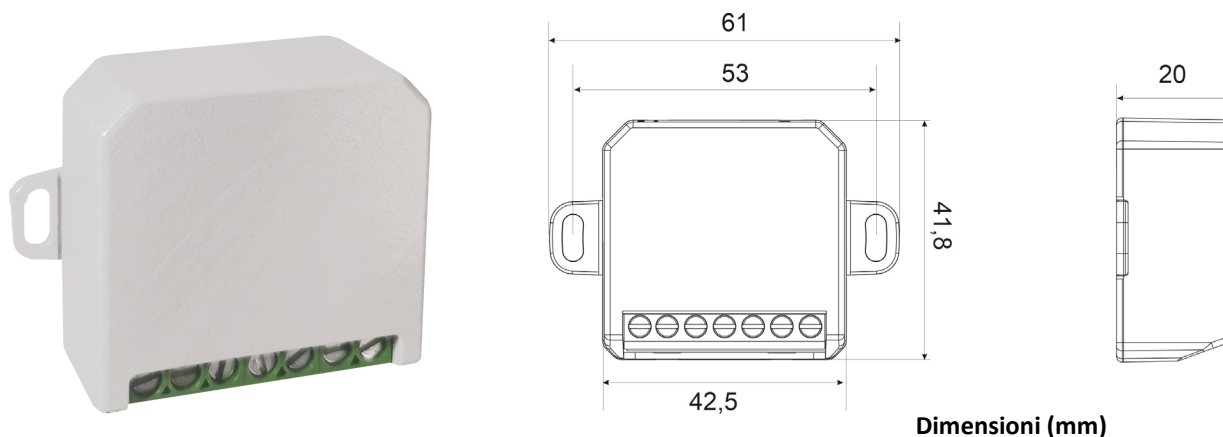
868MHz radio transceiver with input

1-channel radio transceiver module, compatible with room temperature control systems that use CDOM1x, CRM4.0, CR05xWIFI series multimedia programmable thermostat and compatible derivatives.

The module is equipped with a relay to which, during configuration, using the intuitive APP, it is possible to associate the various functions that the system makes available. In particular:

- o When used as a generic zone/compartment actuation command, it is possible to associate a single zone with the relay to manage the relevant actuations; this function finds application in the control of zone circulators or particular terminals such as electric radiators.
- o When used as a system pump/circulator control, it is possible to associate up to eight zones to the relay to manage the consequent actuations; this function finds application in the ON/OFF control of the boiler and/or the main circulator or even the valve servomotor of the apartment's metering module.
- o When used as a control for the "BOOST" function to integrate the thermoregulation of the zone, it is possible to associate a single zone to activate ventilation units that can help quickly reach comfort conditions when the room temperature is 2°C lower than the required setpoint.
- o When used as a control for dehumidification units, in applications with radiant cooling, it is possible to associate a single zone to the relay to manage the activation of the dehumidifier when the zone TEUM humidistat thermostat detects that the Relative Humidity value set during installation via the APP has been exceeded.
- o When paired as an input, it can activate a suspension state for temperature control, humidity control, or air quality control, for a period configurable via the app. The functions available in this configuration are suspension when the room is empty and suspension when the badge is present.
- o When used for season change management, it can manage information both towards the multimedia programmable thermostat from the PCD and towards the PDC from the multimedia programmable thermostat.

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.



Technical features

Power supply:	230V AC 50Hz
RF communication:	868MHz bidirectional
Radio coverage:	30-80 meters, depending on the type of environment
Output:	5(2)A 250V AC changeover relay
Input:	Non-SELV (potential-free contact)
Operating temperature:	-5°C to +50°C
Protection class:	IP20
Operating mode:	ON/OFF
Installation:	Flush-mounted

SPECIFICATION ITEM

Radio transceiver with 1 output and 1 input, Perry brand, model 1PE2RTX01M, for controlling an electric actuator via a relay with a potential-free changeover contact (NC/NO/COM) with a rating of 5(2)A 250Vac and reading the status of a non-isolated ON/OFF input. LED indicator for local signaling of functional states, with a button for temporarily activating/forcing the relay output and checking the radio range.

230Vac power supply, 4.5VA consumption; Bidirectional RF-868MHz connection with multimedia programmable thermostat IP20 protection rating; Compliant with Directive 2014/53/EU (RED); Flush-mounted, dimensions 43x42x20mm.