

RTX02DO

1 relay wireless transceiver

2-channel radio transceiver module, compatible with room temperature control systems that use CDOM0x, CRM4.0, CR05xWIFI series multimedia programmable thermostat and compatible derivatives.

The module is equipped with two relays to which, during the installation configuration phase, using an intuitive APP, it is possible to associate the various functions that the system makes available.

The module is equipped with two main relays and an auxiliary relay to which, during the installation configuration phase, using an intuitive APP, it is possible to associate the various functions that the system makes available.

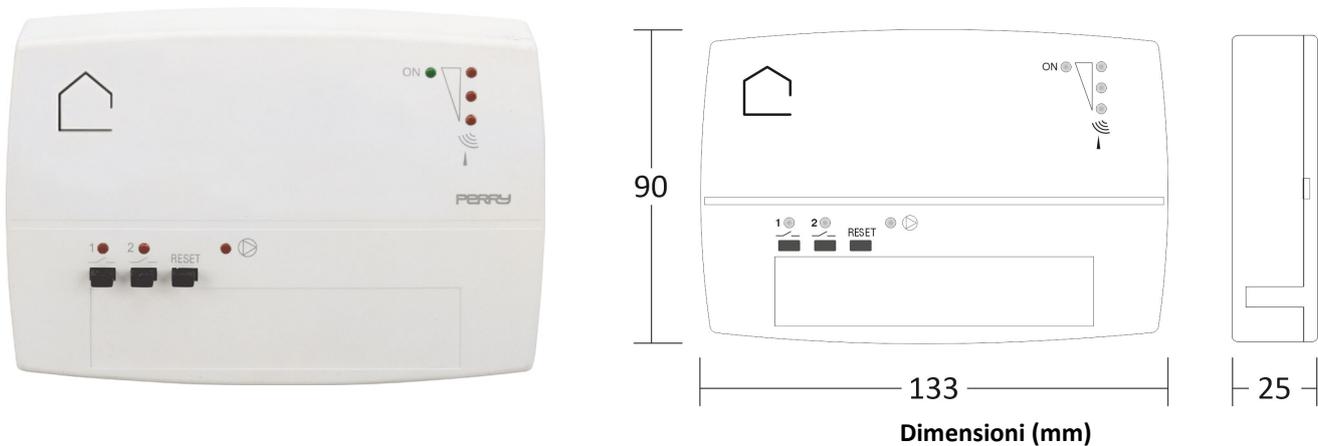
When used as a zone/compartiment control for fan coils, the actuation of the first relay is dedicated to the control of the hydronic valve while the second, delayable up to 600 seconds, controls the enable of the electric fan so that ventilation is started only when the hydronic coil is up to temperature.

When used as a generic zone/compartiment actuation command, it is possible to associate a single zone to each of the two relays to manage the relevant actuations.

In both cases, the third auxiliary relay, normally used to control a zone circulator, activates when at least one of the two relays is activated.

The ON/OFF status of the actuators is indicated by three LEDs, while three buttons allow for manual override of the actuators for testing purposes during installation and commissioning. The module is equipped with additional LEDs that locally indicate the presence of power and the radio transceiver signal level.

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:	230 V~ 50/60 Hz, current consumption 2.5 VA
Insulation type:	Class II
RF communication:	868 MHz bidirectional, RF transmission power <25 mW e.r.p.
Radio coverage:	30–80 meters, depending on the type of environment
Actuation output type:	2 programmable relays, changeover contacts (NC/NO/COM), rated 5(2)A 250VAC 1 relay for circulator control, contact (NO/COM), rated 5(2)A 250VAC All relay contacts are potential-free
Local signals:	7 LEDs for power supply, active actuations, and radio signal level
Dimensions:	133x90x25mm
Installation:	Wall-mounted
Protection rating:	IP30
Compliance:	Directive 2014/53/EU (RED)

SPECIFICATION ITEM

2-channel radio transceiver, Perry brand, model 1PE2RTX02DO, for controlling electric actuators via two relays with potential-free changeover contacts (NC/NO/COM) with a rating of 5(2)A 250Vac and an auxiliary relay with potential-free contact (NO/COM) with a rating of 5(2)A 250Vac. LED indicators and buzzer for local signaling of functional states, with a button for temporarily activating/forcing the relay outputs and a reset button. 230Vac power supply, 2.5VA consumption; Bidirectional RF-868MHz connection with multimedia chronothermostat; IP30 protection rating; Compliant with Directive 2014/53/EU (RED); Wall-mounted, dimensions 133x90x25mm.