

RTX01FC

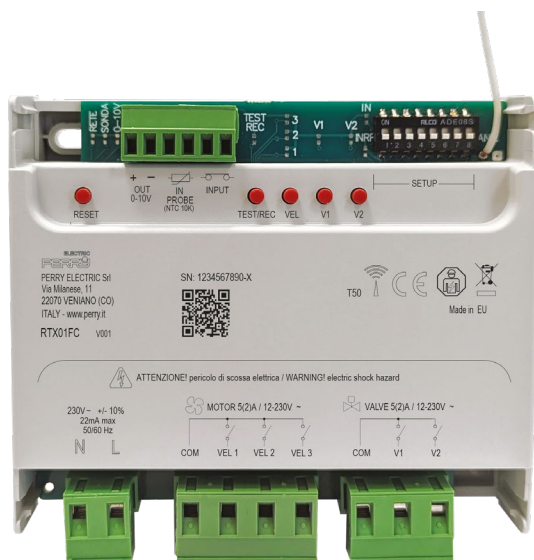
868MHz radio transceiver for fan coils with 0-10V output and 3 speeds

Radio transceiver module with 0-10V output and 3 speeds, compatible with room temperature control systems that use CDM1x, CRM4.0, CR05xWIFI series multimedia programmable thermostat and compatible derivatives. RTX01FC is a multifunctional device thanks to the analog and digital inputs and outputs it was designed with. Specifically, it has 5 relay outputs, 1 0-10V output, and 2 digital inputs, making it suitable for:

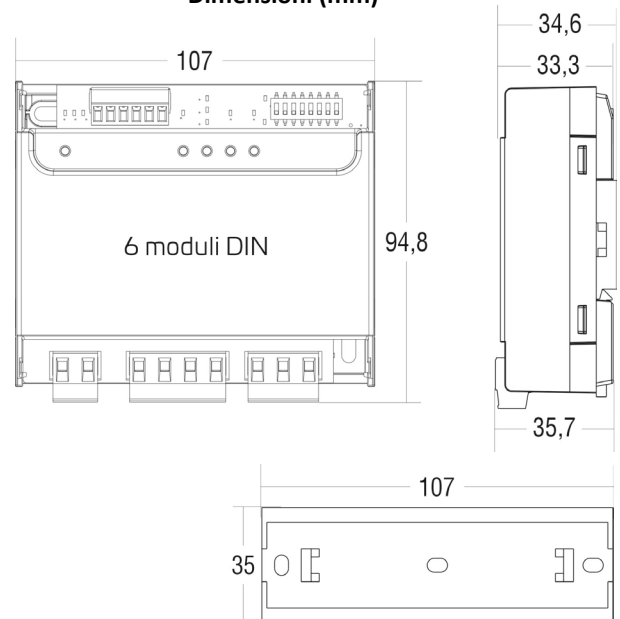
- In the management of fan coils where the 3 relays are used for speed regulation as an alternative to the 0-10V output for controlling the modulation of EC brushless motors. 2 further relays are available for managing the fan coil valves (both 2 and 4 pipe) while the 2 inputs are available for the minimum/maximum water flow probe and for managing suspensions (e.g.: window contact/motion detector);
- In the management of dehumidification devices with ON/OFF or 0-10V control;
- In the control of air handling units with ON/OFF or 0-10V command;

In the management of an air system where the plenum dampers are controlled by the RTX08 module and the BC bar while the modulation of the machine in 0-10V is entrusted to the RTX01FC module.

Important note: this device is part of the CDM 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.



Dimensioni (mm)



placchetta posteriore di fissaggio

TECHNICAL FEATURES

Power supply:	230V AC 50 Hz
Installations:	For 2- or 4-pipe systems
RF communication:	868MHz bidirectional
Radio coverage:	30-80 meters, depending on the type of environment
Motor contact outputs:	3 relays 5(2)A 250V AC
Output for EC brushless motor:	0-10V DC
Valve outputs:	2 relays 5(2)A 250V AC
SUM/WIN outputs:	For 2-pipe installations only
Probe input:	NTC 10Kohm with \varnothing 3435
External contact input:	Window or presence
Status signals:	Optical and acoustic
Protection rating:	IP00
Installation:	Flush-mounted
Mounting:	On a 6-module DIN rail or wall-mounted (not user-accessible)
Compliance:	Directive 2014/53/EU (RED)

SPECIFICATION ITEM

Radio transceiver, Perry brand mod. 1PE2RTX01FC for the command/control of fan coil units via three relays with potential-free contacts (NO/COM) with a capacity of 5(2)A 250Vac or in 0-10V mode; The module features two relay outputs for controlling two solenoid valves (hot/cold circuits). The module has an input for a minimum/maximum temperature probe and a digital input for controlling the window contact or for detecting presence in the room, to block the emission. LED indicators and a buzzer for local signaling of functional states, with buttons for temporarily activating/forcing the outputs and a reset button. Power supply 230Vac, consumption 3VA; Two-way RF-868MHz connection with multimedia programmable thermostat; IP00 protection rating; Complies with Directive 2014/53/EU (RED); Panel or DIN rail mounting, not accessible to the user, dimensions 133x90x25mm.

ACCESSORIES

1PASRTX01FC External probe for fan coil transceiver

