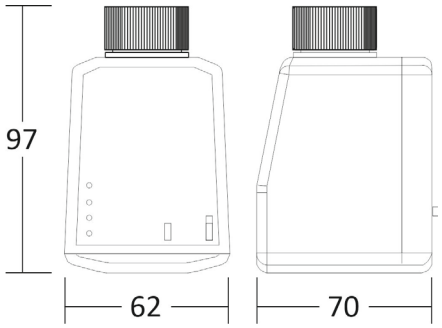
VTRX04

ELECTRONIC WIRELESS VALVE FOR RADIATORS

Electronic actuator for the regulation and control of radiators/heaters, compatible with room temperature control systems that use CDOM0x, CRM4.0, CR05xWIFI series multimedia programmable thermostat and compatible derivatives.
The actuator acts on the thermostatic valve, regulating the flow of water into the heating body. During the installation configuration phase, using an intuitive APP, it is possible to select the actuation/regulation mode between the proportional one (recommended) and the ON/OFF type and inhibit, if necessary, the operation of the OFF/AUTO selector.
The device is equipped with four LEDs that locally signal some operating states: the level of the radio transmission signal, any anomalies and the open or closed actuator status.
The particular construction design of the actuator makes it particularly suitable for environments with public access and school and community environments; the actuator is equipped with electromechanical sensors (tamper switches) that detect removal from the radiator and opening of the battery compartment. In these cases, the system stores the date and time of the event, allowing notifications to be sent to the technical personnel responsible for management/maintenance.
The use of "type C" alkaline batteries guarantees significant operating autonomy of the actuator, making it particularly suitable even in application contexts where battery operation could be seen as a limitation.
The use of the VTRX04 actuator is accompanied by the use of a zone/compartment sensor or thermostat (STX01, STX03x, TETX05, RXTEUM01) to detect the room temperature.

Important notes: 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.

The VTRX04 actuator cannot be identified as a THERMOSTATIC VALVE therefore, in the presence of a BACS system, in fact equipped with a thermoregulation control unit with modulating devices for the automatic regulation of the room temperature, the requirement to adopt THERMOSTATIC VALVES with "low thermal inertia" is excluded.



Dimensioni (mm)

TECHNICAL FEATURES

Power supply:	batteries (2x1.5V type C – LR14) with battery life of over 3 years
Control modes:	proportional (factory setting), ON/OFF with hysteresis band
RF communication:	868MHz bidirectional, RF transmission power <25mW e.r.p.
Radio coverage:	30-80 meters, depending on the type of environment
Attachment to thermostatic valve:	threaded ring for M30x1.5mm connection
Closing force:	max 10 kg (98N)
Thermostatic valve compatibility:	Max. PN 10 Bar (1000 kPa) - Max. ΔP 1 Bar (100 kPa)
Dimensions:	62x97x70 mm
Protection rating:	IP40
Compliance:	Directive 2014/53/EU (RED)

SPECIFICATION ITEM

Electronic radiator head, Perry brand, mod. VTRX04, compatible with thermostatic valves with standard M30x1.5mm connection; LED indicators for local signaling of functional status and selector for choosing the AUTO/OFF function; ON/OFF or Proportional/Modulating regulation mode based on the settings defined on the multimedia programmable thermostat; equipped with anti-removal tamper from the radiator and tamper to signal opening of the battery compartment; Battery powered (2x1.5V type C - LR14); Two-way RF-868MHz connection with multimedia programmable thermostat; IP40 protection rating; Compliant with Directive 2014/53/EU (RED); Dimensions 62x97x70mm.

ACCESSORIES

1PRPMT02	Alkaline batteries tipe C
1PAASVT01	angle adapter for electronic valves on radiator VTRX04
1PASG02VT	anti tampering seals for electronic valves VTRX04
1PAVTNN001	adaptor for Caleffi valves
1PA9702047	adaptor for Danfoss valves
1PACA03VTF	Female unscrewing collar for electronic valves on radiator item VTRX04
1PACA03VTM	Male unscrewing collar for electronic valves on radiator item VTRX04
1PRVTRX001	cover for *batteries* compartment of item VTRX04