



LORAWAN THERMOSTATIC RADIATOR VALVE HEAD

Wireless thermostatic head for radiators with long-range connectivity (LoRaWAN)

REF : NO-TRV-8-1-00

EAN : 3700313926437

EXISTS IN : WHITE

DESCRIPTION :

Device installed on a radiator to automatically and remotely regulate temperature via LoRaWAN networks. It allows schedule programming, energy savings, and can cut off heating if an open window is detected. Battery-powered, it offers long autonomy and wide range, making it ideal for managing heating in homes, offices, or buildings without the need for wiring or complex local gateways (requires an available LoRaWAN network).

STRENGTHS :

- Energy savings: schedule programming and scenarios to optimize consumption.
- Automatic comfort: maintains desired temperature and detects open windows to avoid waste.
- Wide wireless coverage: long-range connectivity via LoRaWAN, ideal for large buildings.
- Easy installation: compatible with most radiators and includes adapters.
- Long battery life: operates on batteries for several years (approx. 5 years).
- Remote and centralized control: integrates into LoRaWAN networks for large-scale management (buildings/facilities).
- Manual mode: quick manual adjustment directly on the device without using the network.

CHARACTERISTICS :

- Power supply: 2 × 1.5 V AA (LR6) batteries.
- Battery life: ~ 5 years (with batteries).
- Threading / connection: M30 × 1.5 mm. Included adapters: RA, RAV, RAVL.
- Temperature range: 8–28 °C.
- Radio protocol: LoRaWAN® EU868 (v1.0.4).
- Frequency bands: L 865.0–868.0 MHz; M 868.0–868.6 MHz; O 869.4–869.65 MHz.

- Duty cycle: 1% per hour. Max radio power: +10 dBm.
- Estimated range: >6 km line of sight (SF9). Supports ADR. Software class: A; join method: OTAA; SF7-SF12.
- Motor force: >125 N. Valve stroke: 4.8 mm.
- Category: 2.
- Protection rating: IP20.
- Operating temperature: 0 to +40 °C.
- Dimensions: 50 × 85 × 71 mm. Weight: 180 g (batteries included).
- Additional features: open-window detection, antifreeze/anticorrosion protection, manual adjustment via rocker switch.
- Relevant standards and certifications: EN 60730-1, EN 60730-2-9, EN 300 328, EN 301 489-1 (and others as applicable).
- Note: operates only with an available LoRaWAN gateway or network provider. Reference: TRV-8-1-00 (EAN: 3700313926437).