A3 Series

FLOW PRO

Thermostatic radiator valve



Click or scan to find out more about the product

Nexelec

Hot-water radiator

Connected

Quick NFC setup from a smartphone. Simplified remote control via a LoRaWAN wireless network

Reinforced durability

RUG mounting base with metal inserts. Designed for demanding environments: schools, hospitals and multi-occupancy housing

High-performance battery

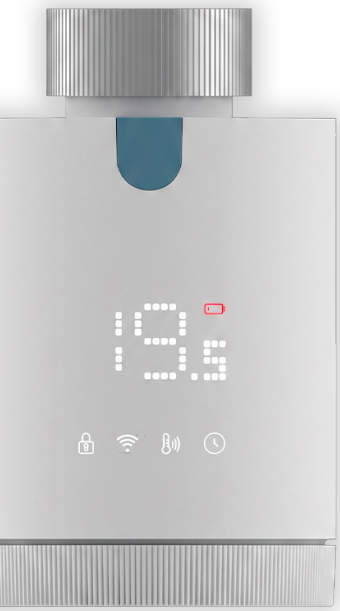
Up to **12 years**(1) battery life.. Operates with 4 replaceable lithium batteries

Smart control

Automatically adjusts the temperature according to a setpoint schedule stored in memory. Autonomous operation and guaranteed performance, even without a LoRaWAN wireless network connection

Remote update

Compatible with LoRaWAN FUOTA V2 to update the embedded software of the thermostatic radiator valves remotely, without dismantling or on-site intervention. An essential technology for evolving equipment over many years through the deployment of new features, optimisations and security patches



Remote temperature sensor*

The NODE sensor measures the actual room temperature away from the radiator, for more precise, more reliable control and greater occupant comfort

Protective cover*

The transparent CASE cover strengthens the protection of the thermostatic radiator valve against impacts, tampering and attempted dismantling in shared environments

Visual identification

Includes 5 coloured tabs to quickly identify and distinguish equipment on site. Makes installation and maintenance operations easier

Anti-seizing function

The thermostatic radiator valve automatically actuates the radiator mechanism once a month to prevent the thermostatic valve from seizing outside the heating season



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www.nexelec.eu

Reference	LoRaWAN
A310LS	EU868

Other protocols and radio regions are available.
Click or scan this QR Code to select the reference that meets your needs.



Net weight: 240 g (including batteries)

FUNCTIONS

Anti-theft protection
Lockable mounting base with security screw to prevent unauthorised removal of the thermostatic radiator valve

Controlled temperature
Built-in high-precision sensor (±0.4°C) to ensure reliable control and precise maintenance of the target temperature

Setpoint accuracy
Temperature adjustment in 0.5°C increments for more precise heating control

Simplified installation
ADAPT* adaptors ensure broad compatibility with most radiators and thermostatic valves on the market

Digital maintenance log
QR Code and NAVIXIS software platform to simplify the installation and large-scale maintenance of a fleet of thermostatic radiator valves

Enhanced cybersecurity
Data transmitted by the product is secured end to end with double AES-128 encryption

Easy to configure
Simplified product setup via contactless NFC technology from a smartphone

Quiet operation
Equipped with a latest-generation stepper motor. Ensures optimal comfort, with no noise disturbance for occupants

Tamper detection
Triggers an alert message if the thermostatic radiator valve is removed from its mounting base

Open-window detection
Heating is automatically paused for 30 minutes to avoid wasting energy

Child lock
Disables the adjustment wheel on the thermostatic radiator valve to prevent any local changes to the temperature setpoint

Smart control modes
Automatic management of Comfort, Eco, Away and Frost Protection modes to adapt heating to building usage and optimise energy consumption

BOOST mode
Temporarily increases heating to reach the desired comfort temperature more quickly

Wireless radio link
The Nexelec L2D1 radio protocol enables local communication between the remote NODE sensor and FLOW, without a gateway or LoRaWAN network

FEATURES

Temperature
Resolution: 0.1°C
Accuracy: ±0.4°C

Operating conditions
Indoor environment
Temperature: -20°C to +60°C
Humidity: 0% RH to 99% RH (non-condensing)

Radiator interface
M30 x 1.5 mm

Power supply
4 batteries AA 1,5V

Motorisation
Stepper motor with micrometric positioning

Warranty[(2)]
2 years

Box contents
1 FLOW PRO thermostatic radiator valve with reinforced RUG mounting base
5 coloured marking tabs
1 anti-theft security screw
4 Energizer Ultimate Lithium AA batteries

Certifications
UK CA CE

Connectivity
LoRaWAN
L2D1

[(1)] Battery life is not guaranteed and may vary depending on the product settings and usage. [(2)] Please refer to the information available on www.nexelec.us *Accessories available as options

COMPATIBLE PRODUCTS

ACCESSORIES

NODE

Remote temperature sensor

Measures the actual room temperature, independently of the radiator

Direct communication with FLOW via the Nexelec L2D1 radio protocol, without using the LoRaWAN network. A reliable, responsive local link for more effective control and greater occupant comfort

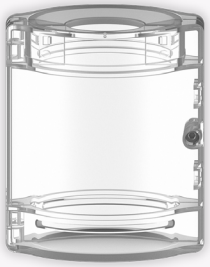


CASE

Protective cover

Strengthens the mechanical protection of the thermostatic radiator valve against impacts, vandalism and attempted theft

Blocks access to the adjustment wheel to prevent any local change to the temperature setpoint



ADAPT

Pack of 6 valve adaptors for simplified installation of FLOW on most radiators and thermostatic valves on the market

Robust, cost-effective adaptors to reduce installation costs and avoid expensive accessories

Included compatibility:

Danfoss RA valves, Danfoss RAV valves, Danfoss RAVL valves, Cale valves, Giacomini valves, M28 valves



DATA

NAVIXIS

Web-based platform for supervising thermostatic radiator valves

Remote programming of temperatures and heating schedules

Centralised management of the equipment fleet with exception handling: public holidays, specific hours, absences, etc

Real-time equipment monitoring: battery, status and operation

Configurable alerts and remote maintenance without on-site intervention

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