

DONEXON DONEVARMOTZPRO

DONEXON varmo TZ Pro Z-Wave Radiator Thermostat User Manual

Model: DONEVARMOTZPRO

1. PRODUCT OVERVIEW

The DONEXON Pro Z-Wave thermostat is an electronically controlled Z-Wave radiator thermostat designed for efficient home heating management. It mounts directly onto wall heating valves and is controlled by an internal motor. Users can set the desired temperature manually via local buttons or wirelessly through a Z-Wave gateway. Key features include frost protection, an LCD screen for target temperature display, open window detection, and a valve exercise function to maintain valve functionality over time. This thermostat is compatible with standard M30 x 1.5 connectors or RA2000 (Danfoss snap-in) valves and establishes a Z-Wave radio connection for seamless communication with your smart home system.

Key Features:

- Z-Wave Connectivity for smart home integration
- Compatibility with Danfoss Thermostat valves
- LCD Screen for clear target temperature display
- Low-Noise Motor for quiet operation
- Local Control Buttons for manual adjustments
- Frost protection function
- Open window detection
- Valve exercise function



Figure 1: The DONEXON varmo TZ Pro Z-Wave Radiator Thermostat, a compact white device with an integrated display and control buttons.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and use.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Only use the specified battery type (2x AA Alkaline).
- Keep batteries out of reach of children.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Ensure proper ventilation around the radiator thermostat.
- This device is for indoor use only.

3. PACKAGE CONTENTS

Please check that all items are present and undamaged:

- DONEXON varmo TZ Pro Z-Wave Radiator Thermostat
- 2x AA Alkaline Batteries
- Quick Start Guide (not included in this manual)
- Various adapters for different valve types (e.g., M30 x 1.5, RA2000) -*Note: Specific adapters may vary by package.*



Figure 2: The DONEXON varmo TZ Pro Thermostat with its battery compartment open, showing the two AA alkaline batteries included.

4. SETUP AND INSTALLATION

4.1. Inserting Batteries

1. Remove the battery cover from the back of the thermostat.
2. Insert the two AA alkaline batteries, ensuring correct polarity (+/-).
3. Replace the battery cover. The device will power on and may display an initialization sequence.

4.2. Mounting on the Radiator Valve

The thermostat is designed for easy mounting on standard M30 x 1.5 or Danfoss RA2000 valves. If your valve is not one of these types, you may need an appropriate adapter (sold separately or included in some packages).

1. Remove your existing thermostatic head from the radiator valve.
2. If necessary, attach the correct adapter to your radiator valve.
3. Screw the DONEXON varmo TZ Pro thermostat onto the valve or adapter until it is hand-tight. Do not overtighten.
4. The device will perform a calibration run to adapt to the valve. This may take a few moments.

4.3. Z-Wave Inclusion (Pairing)

To integrate the thermostat into your Z-Wave network, follow these steps:

1. Put your Z-Wave gateway/controller into inclusion (pairing) mode. Refer to your gateway's manual for specific instructions.
2. On the DONEXON thermostat, press the main control button (often the central button or a dedicated pairing button) for a few seconds until the display indicates pairing mode (e.g., "INC" or a flashing Z-Wave icon).
3. The thermostat should now be detected and added to your Z-Wave network. Confirm successful inclusion on

your gateway.

4. Once paired, you can control the thermostat via your Z-Wave application.

5. OPERATING INSTRUCTIONS

5.1. Manual Temperature Adjustment

You can adjust the target temperature directly on the device:

- Use the + and - buttons (or rotary dial, if applicable) to increase or decrease the desired temperature.
- The LCD screen will display the new target temperature.
- After a few seconds, the display will revert to showing the current room temperature or the last set target temperature.

5.2. Z-Wave Control via Application

Once paired with your Z-Wave gateway, you can control the thermostat remotely:

- Open your Z-Wave smart home application on your iOS or Android device.
- Locate the DONEXON thermostat in your device list.
- Adjust the target temperature, set schedules, or activate specific modes (e.g., Away, Eco) as supported by your Z-Wave gateway and application.

5.3. Special Functions

- **Frost Protection:** The device automatically activates frost protection mode if the temperature drops below a certain threshold (typically 5°C / 41°F) to prevent pipes from freezing.
- **Open Window Detection:** If a sudden drop in temperature is detected (e.g., due to an open window), the thermostat will temporarily close the valve to save energy. Heating will resume after a set period or when the temperature stabilizes.
- **Valve Exercise Function:** To prevent calcification and ensure smooth operation, the thermostat periodically opens and closes the valve fully, even during periods of inactivity.

6. MAINTENANCE

6.1. Battery Replacement

When the batteries are low, the device's display will show a low battery indicator. Replace batteries as follows:

1. Remove the thermostat from the radiator valve by unscrewing it.
2. Remove the battery cover.
3. Remove the old batteries and dispose of them according to local regulations.
4. Insert two new AA alkaline batteries, observing correct polarity.
5. Replace the battery cover and remount the thermostat on the valve.
6. The device will perform a new calibration run.

6.2. Cleaning

Clean the thermostat with a soft, dry cloth. Do not use abrasive cleaners, solvents, or wet cloths, as these can damage the device.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not powering on	Batteries inserted incorrectly or depleted.	Check battery polarity. Replace with new AA alkaline batteries.
Cannot pair with Z-Wave gateway	Gateway not in inclusion mode; device too far from gateway; interference.	Ensure gateway is in inclusion mode. Move thermostat closer to gateway. Check for Z-Wave interference. Try factory reset and re-pairing.
Thermostat not controlling heating	Incorrect mounting; valve stuck; calibration error.	Ensure thermostat is securely mounted. Manually check if the valve pin moves freely. Perform a factory reset and re-calibrate.
Temperature readings seem inaccurate	Thermostat is in a draft or near a heat source.	Ensure the thermostat is not exposed to drafts or direct heat sources that could affect its internal sensor.

8. SPECIFICATIONS

Brand: DONEXON

Model Number: DONEVARMOTZPRO

Connectivity: Z-Wave

Power Source: 2x AA Alkaline Batteries (included)

Color: White

Control Method: Application (via Z-Wave gateway), Local Buttons

Display: LCD with backlight

Valve Compatibility: M30 x 1.5, Danfoss RA2000 (with adapter)




Manufacturer: Varia3 GmbH

Country of Origin: United Kingdom

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact DONEXON customer service. Details are typically available on the manufacturer's website or through your retailer.

Online resources and FAQs may also be available to assist with common queries and advanced configurations.

	<p>Donexon varmø TZ eco Z-Wave Radiator Thermostat User Manual</p> <p>Comprehensive user manual for the Donexon varmø TZ eco Z-Wave radiator thermostat, detailing quick start, safety, installation, product usage, troubleshooting, configuration parameters, and technical specifications.</p>
	<p>Z-Wave Europe Product Catalogue 2021/2022: Smart Home Devices & Automation</p> <p>Explore the Z-Wave Europe 2021/2022 product catalogue featuring a vast selection of smart home devices from Aeotec, Fibaro, Shelly, and more. Discover Z-Wave, Zigbee, and Wi-Fi enabled solutions for connected living.</p>
	<p>ROCKETHOME Smart Home Device Whitelist</p> <p>A comprehensive whitelist of compatible smart home devices for ROCKETHOME, including sensors, switches, thermostats, and more, from various manufacturers.</p>