



Specification Sheet: PROF-WFTRV Wi-Fi Smart Thermostatic Radiator Valve

Control Modes

- Manual Mode: Direct adjustment of temperature using the knob.
- Auto Mode: Programmed schedule with 4 periods per day.
- Temporary Mode: Manual override during Auto mode.
- ON Mode: Valve fully open, typically for summer.
- OFF Mode: Valve closed, frost protection enabled.

Valve Compatibility

Includes adapters for:

- Danfoss RA, RAV, RAVL
- Caleffi
- Giacomini
- M28 valves

Installation

- Battery insertion required before installation.
- Initialization and auto valve adjustment upon setup.
- Adapter and TRV installation compatible with mainstream radiator valve types.

Mobile App Control

- App: Smart Life (iOS & Android)
- Functions include:
 - Device sharing
 - Temperature setting
 - Mode switching
 - Program scheduling
 - Advanced settings (e.g., calibration, child lock)

Troubleshooting Codes

F1	Low battery - Replace batteries
F2	Slow valve operation - Check installation
F3	Stroke too long - Check TRV fastening
F0	Stroke too short - Check heating valve
F4	Temperature sensor abnormality - Contact support



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Product Overview

The PROF-WFTRV is a Wi-Fi-enabled smart thermostatic radiator valve designed for intelligent and energy-efficient temperature control. It supports remote control via the Smart Life app and voice control via Amazon Alexa and Google Assistant.

Key Features

- Wi-Fi Direct Connection: No gateway required.
- PID Algorithm: Ensures precise and efficient temperature control.
- Voice Control: Compatible with Alexa and Google Assistant.
- Child Lock: Prevents accidental operation.
- Anti-Freeze Function: Activates below 5°C to prevent damage.
- Open-Window Detection: Automatically reduces temperature when a drop is detected.
- Automatic Valve Decalcification: Weekly operation to prevent scale buildup.
- Screen Rotation: Display can be flipped for readability.
- Quiet Operation: Equipped with ultra-quiet motor technology.
- Customizable Weekly Program: Up to 4 time periods per day.

Technical Specifications

Power Supply	3 x 1.5 V AA alkaline batteries (not included)
Protection Level	IP20
Ambient Temperature	0~50°C
Max Surface Temp.	90°C (on radiator)
Standby Current	30uA Min
Connection Thread	M30 x 1.5mm
Linear Travel	5mm
Dimensions	58.4mm (W) x 97mm (H) x 58.4mm (D)
Weight	220g