SALUS CONTROLS

# SUPER-QUIET TRV

Model: TRV3RF

MULTI-LANGUAGE MANUAL

Quick Guide


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## Introduction

The TRV3RF is an advanced, cutting-edge Thermostatic Radiator Valve (TRV) and the quietest on the market designed for seamless home comfort and energy efficiency, making it ideal for noise-sensitive environments. The TRV3RF features a sophisticated modulating head, enabling precise control by gradually opening or closing the valve based on room temperature.

Using an intelligent temperature compensation algorithm, the TRV3RF dynamically adjusts to environmental factors such as radiator heat, drafts, or sunlight. This ensures consistent, accurate room temperatures while optimizing energy efficiency. Perfect for modern, energy-conscious homes, the TRV3RF delivers tranquility, comfort, and sustainability in one innovative package.

## Product Compliance

This product complies with the essential requirements and other relevant provisions of Directives 2014/53/EU and 2015/863/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com.
2405-2480MHz, <14dBm

## Safety Information

Use in accordance to national and EU regulations. Use the device as intended, keeping it in dry condition. Product for indoor use only. Installation must be carried out by a qualified person in accordance to national and EU regulations.

## Box Content

TRV3RF | M28 Valve Adapter | M30 Valve Adapter | Danfoss Valve Adapter

Metallic Washer | Allen Key | 2 x AA Batteries | 2 x Hex Screws

## Device Compatibility

The TRV3RF is compatible with the IT600 series (SQ610, VS10RF, VS20RF, SQ610RF) and Elypso series. Please note that it functions exclusively with UG600, UGE600, and UG800 gateways.

**Gateways**

UGE600 | UG800

**Receivers**

RX30RF

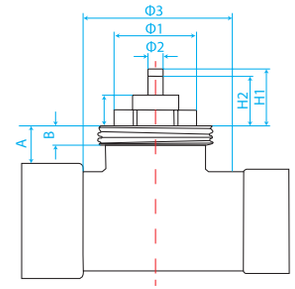
**Thermostats**

VS10RF/VS20RF Thermostats | SQ610 Range Thermostats | EL600F

## Valve compatibility

The TRV3RF includes three adapters designed for compatibility with a wide range of valves available on the market. Before beginning the installation, please verify that your existing valves are compatible with the provided adapters:

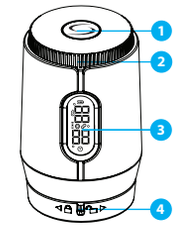
- **M28** (with or without metallic washer)
- **M30** (metallic washer NOT required)
- **Danfoss** valves (metallic washer NOT required)



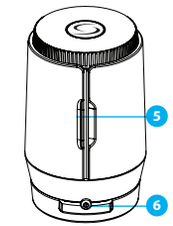

| M28 (with washer) | M28 (without washer) | M30 |
|---|---|---|
| A > 9.5 mm | A > 9.5 mm | A > 6 mm |
| 5.3 < B < 8 mm | 5.3 < B < 8 mm | B < 5.1 mm |
| Φ1 < 21 mm | Φ1 < 21 mm | Φ1 < 7.2 mm |
| Φ2 < 7 mm | Φ2 < 7 mm | Φ2 < 25 mm |
| Φ3 < 35.5 mm | Φ3 < 35.5 mm | Φ3 < 36.5 mm |
| H1 < 12.7 mm | H1 < 12 mm | H1 ≤ 15.5 mm |
| H2 > 8.7 mm | H2 > 8.0 mm | H2 ≥ 11 mm |
| 7.5<H3 < 8 mm | H3 < 7.5 mm | H3 ≤ 10.2 mm |

**For Danfoss valve we can proceed with the provided RA adapter.*

## Product description




FRONT VIEW




BACK VIEW

**1.** Function / Setup Button
**2.** Dial Ring
**3.** Digital Display
**4.** Lock / Unlock Valve Adapter
**5.** Battery cover
**6.** Locking pin

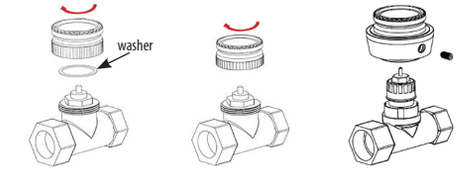
## Icons and Display

| | |
|---|---|
| | Battery Level |
| | Key Lock - 10s press |
| | RF Status |
| | Off Mode (Frost Protection) |
| | Binding Status |
| | Schedule Mode |
| 88 | Temperature and Other Information for Vertical Positioning of TRV |
| 88 | Temperature and Other Information for Horizontal Positioning of TRV |

## Installation Process

1. Mount the correct adaptor on the radiator's valve.

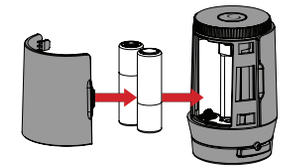
**M28** - Please check if your valve requires the metallic washer for proper installation and follow below instructions.
**M30** - Follow the instructions bellow.
**Danfoss Valve** - Follow the instructions bellow.



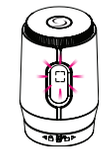

**M28** (with / without metallic washer) | **M30** | **Danfoss RA**

The adapter must be securely screwed onto the valve by hand. Avoid using tools to tighten the adapter, as this could damage the components or affect compatibility.

2. Remove the battery cover and insert the batteries in the TRV as shown in the image bellow.

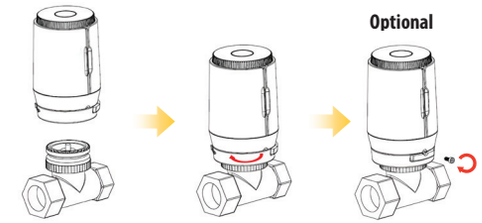


Upon initial power-up, the display will indicate the symbol [ ]. This symbol will remain visible until the actuator stem is fully retracted.
No input needed while this symbol is active.



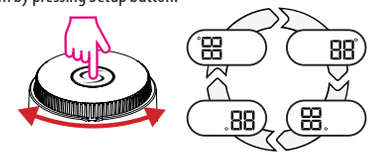
3. Mount the TRV head on the radiator valve with the selected adapter.

**Optional:** The TRV features a locking pin secured with the supplied hex screw, which can be tightened using an Allen key to prevent unwanted dismounting from the adaptor and ensure added security.

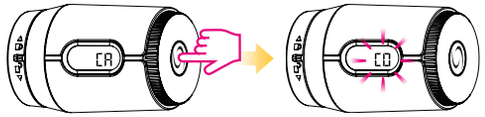



4. Adjust the display orientation by using dial ring to accommodate the TRV's installation in any position, whether horizontal or vertical.

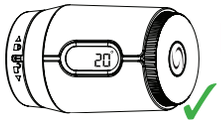
Confirm by pressing Setup button.



**5 Calibration mode -** After adjusting the display orientation, the TRV will enter calibration mode, and the screen will display: CO.

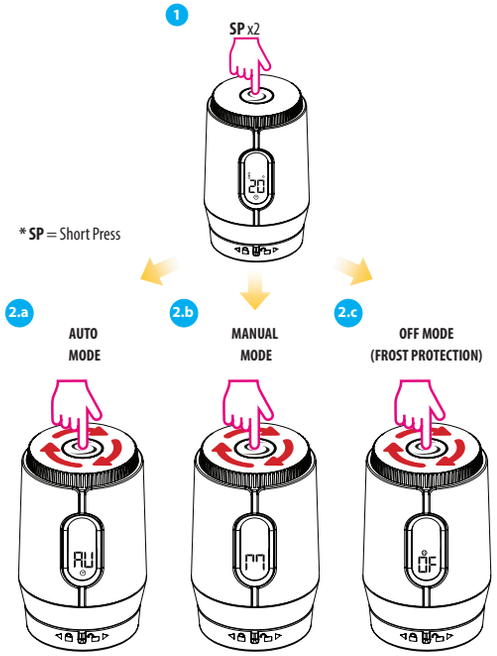


Once the calibration is complete, the screen will display the setpoint temperature.

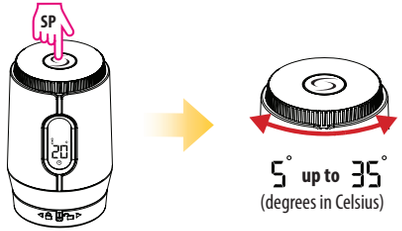


*Ensure the valve is installed prior to calibration. Failure to do so will result in the display showing the E3 error code.*

## Operation Modes

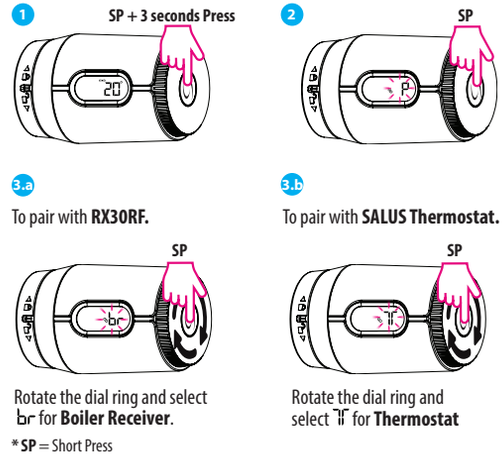



To adjust temperature, short press the button then turn dial to desired temperature.



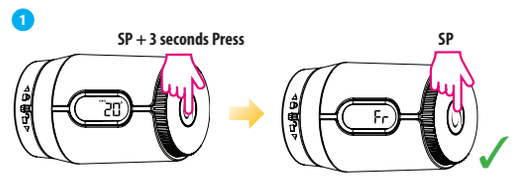

## TRV Pairing with Gateway in Offline Mode


## TRV Pairing with Thermostat and/or Receiver in Offline Mode

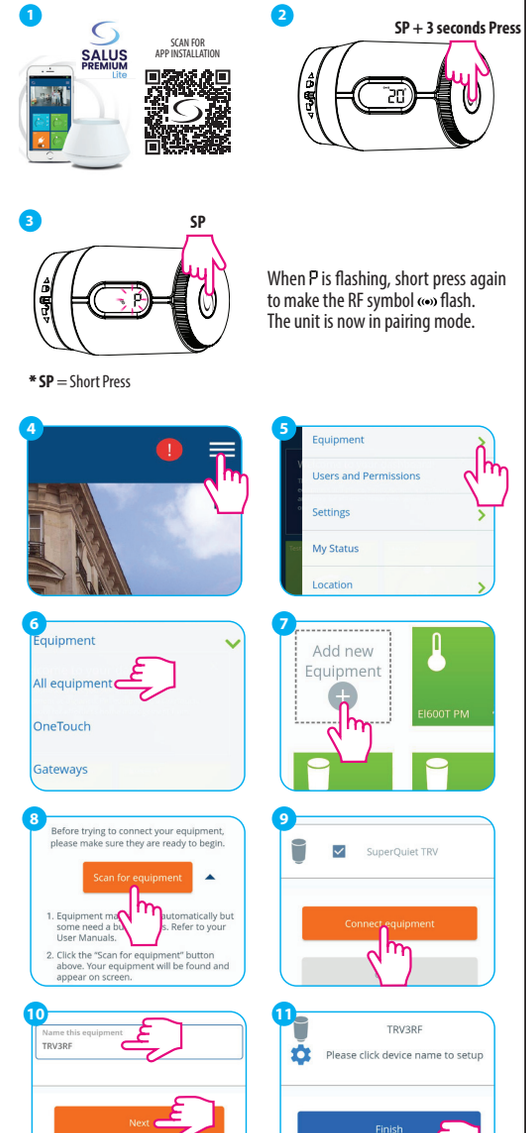



*Make sure that all devices that is desired to be paired are in pairing mode at the same time to ensure the connection process..*

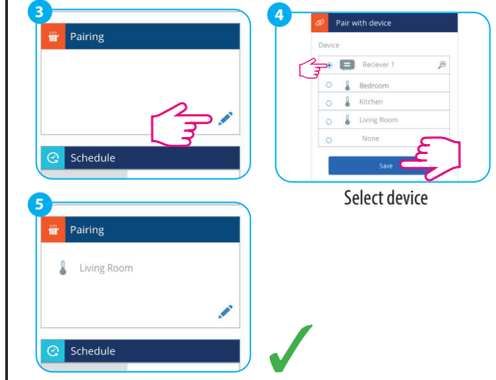
## Factory Reset




## TRV Pairing with Gateway in Online Mode

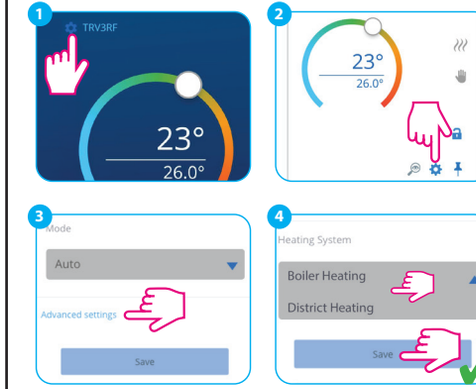



## TRV Pairing with Devices in Online Mode


## Heating System Selection

*For optimal functionality, the Heating System selection must align with your home's specific heating setup.*




## In-App Advanced Options

| Option | Description |
|---|---|
| **Open window detected** | **Enable / Disable**<br>If TRV detects that the room window is open = "OP" will appear on the display. The valve will stay closed for 30 minutes, unless the temperature increases by at least 0.25°C or more. |
| **Mode** | **Auto**: follows the preset schedule<br>**Manual ON**: TRV is fully open (bypasses the thermostat).<br>**Manual OFF**: TRV is fully closed (bypasses the thermostat). |
| **Low battery valve position** | **Normally Open** – Keeps the valve open when the battery is low.<br>**Normally Closed** – Shuts the valve off to save energy when the battery is low. |
| **Heating control** | **Boiler System** – Controls a private heating system<br>**District Heating** – Adjusts for centralized heating networks. |
| **Temperature calibration** | Adjusts the displayed temperature to match the actual room temperature. |
| **Valve minimum opening point** | Default: **8** (range: **5-35**)<br>Set the lowest valve opening level. Useful if auto calibration doesn't allow enough heat through.<br>**Caution!** Too high value can cause constant flow when TRV is closed. |

**For more details and information, please check the online full manual.*