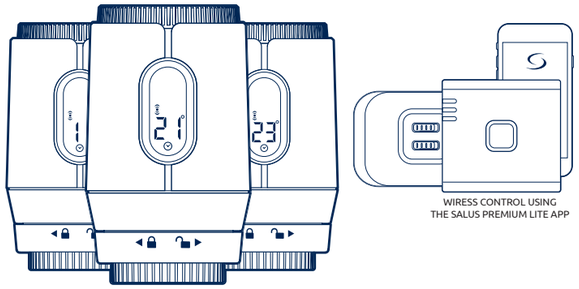
SALUS CONTROLS EN

3 X TRV3RF (**SUPER-QUIET TRV**)
1 X RX30RF **BOILER RECEIVER**
1 X UG800 **GATEWAY**



SMART HOME RADIATOR PACKAGE FOR THREE ZONES

INSTALLATION GUIDE

Introduction

The SALUS Smart Home radiator package for three zones, consisting of a UG800 gateway, an RX30RF receiver, and three ultra-quiet TRV3RF smart thermostatic heads, offers a complete solution for efficient and comfortable home heating control. This system allows individual temperature management in each zone, giving the user the opportunity to save energy and maintain an optimal indoor climate. Through the UG800 gateway, all devices are connected via ZigBee, allowing remote control via the SALUS Premium Lite app. The RX30RF receiver coordinates signals between the TRV3RF thermostats and the heating system, ensuring accurate and reliable operation. With its modern design and quiet operation, the package brings added comfort and advanced technology to every home.

Product compliance

These products meet the essential requirements and other relevant provisions of Directives GPSR 2023/988/UE, EMC 2014/30/UE, LVD 2014/35/UE, RED 2025/183/UE and RoHS 2017/2102/EU and 2015/863/UE. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com

RX30RF	TRV3RF	UG800
(((•))) 2405-2480MHz	(((•))) 2405-2480MHz<14dBm	(((•))) 2405-2480MHz<20dBm (WiFi)

Safety information

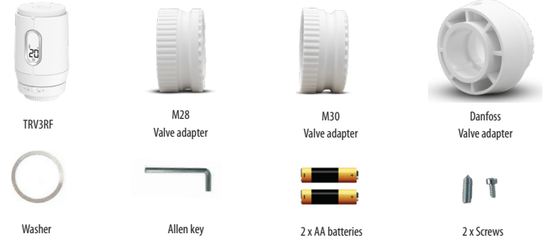
Use in accordance with national and EU regulations. Installation must only be carried out by qualified personnel. For indoor use only. Keep devices completely dry. The AC/DC adapter must be connected to a power outlet that is located close to the device and easily accessible. The gateway has an IP30 rating. Disconnect the device before cleaning it with a dry cloth. The equipment is only suitable for mounting at heights ≤ 2 m. The maximum operating temperature is 50°C.

Package contents



1 x UG800 | 1 x RX30RF | 3 x TRV3RF | Installation guide

Contents of each TRV3RF box



TRV3RF | M28 Valve adapter | M30 Valve adapter | Danfoss Valve adapter | Washer | Allen key | 2 x AA batteries | 2 x Screws

1. UG800 GATEWAY



WARNING
Do not use the C010RF coordinator simultaneously with the products in this package!



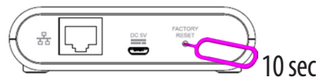
LED Description

Cloud	Solid green. When the device is connected to the Cloud.
Cloud	Solid orange. When the device cannot connect to the Cloud.
ZigBee	Solid green. Closed ZigBee network.
ZigBee	Flashing green. Identifying.

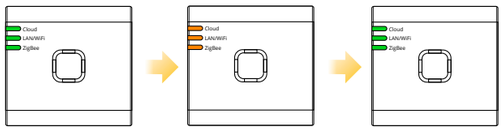
ZigBee	Solid orange. ZigBee network open (search for and add devices)
ZigBee	Flashing orange. When the maximum number of devices is exceeded.
LAN/WiFi	Solid green. The gateway is connected to the router via LAN or Wi-Fi.
LAN/WiFi	Solid red. The gateway is not connected to the router via LAN or Wi-Fi.

Factory reset

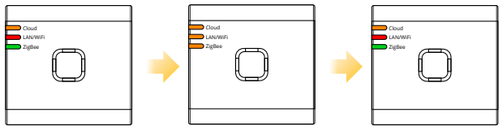
Resetting the UG800 gateway to factory settings will delete all settings and devices associated with it from its memory. To do this, use a paper clip or needle to press and hold the button for about 10 seconds until all LEDs light up orange, then release it.



Online:



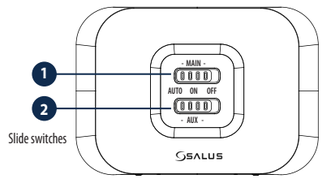
Offline:



2. RX30RF RECEIVER



Button functions



Note: Press and hold the left button for 10 seconds to perform a factory reset.

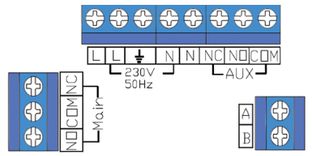
On/Off System:

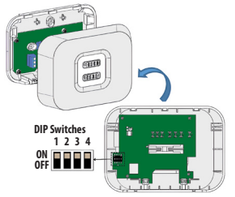
Switch	Slide Position and Relay Outputs		
	AUTO	ON	OFF
MAIN	Relay output is controlled via ZigBee communications	Relay output is always on	Relay output is always off
AUX			

OpenTherm System:

Switch	Slide Position and OT/+ interface (A-B) Outputs		
	AUTO	ON	OFF
MAIN	OpenTherm Control setpoint	OpenTherm max CH water Setpoint	OpenTherm boiler off [heat demand disabled]
AUX	No function		

Terminals description

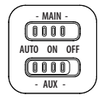




Change the DIP switch on the front panel to select the system type (see the product manual for more details).

	Terminal	Function
230V 50-60Hz (AC input)	L	Incoming Mains - LIVE
	⏚	Earth Parking
	N	Incoming mains - Neutral
Main (Volt-free output)	NO	Main relay, Normally Open Contact
	COM	Main relay, Common Contact
	NC	Main relay, Normally Close Contact
AUX (Volt-free output)	NC	Auxiliary relay, Normally Close Contact
	NO	Auxiliary relay, Normally Open Contact
	COM	Auxiliary relay, Common Contact
OpenTherm Interface	A-B	Wire to OpenTherm Boiler

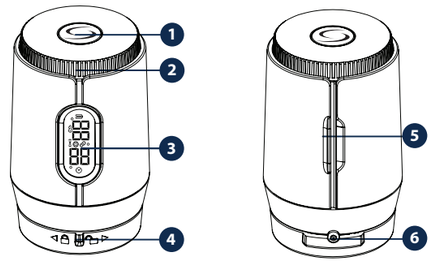
LED operation



LED at Main/Aux	On/Off System	Sistem OpenTherm
Solid red	Relay Off	OpenTherm Boiler Off
Solid green	Relay On	OpenTherm On
Solid orange	Factory reset in progress	
Flashes red quickly	Standby mode, not connected	
Flashes red slowly	Pairing to gateway mode is activated	
Main LED flashes red 3 times every 5 sec	Lost link with gateway	
Main LED flashes red 4 times every 5 sec	Lost link with all paired devices (only in Auto mode)	
Flashes orange slowly when switch position is at ON	Manual ON mode is disabled by the administrator	

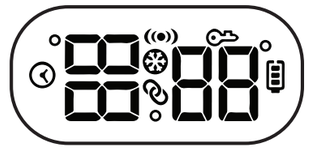
3. SUPER-QUIET TRV3RF





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

Icons and Display

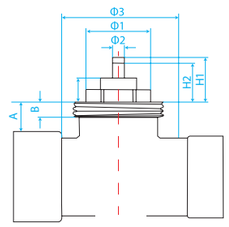


	Battery Level
	Key Lock - 10s press
	RF Status
	Off Mode (Frost Protection)
	Pairing status
	Schedule Mode
	Temperature and Other Information for Vertical Positioning of TRV
	Temperature and Other Information for Horizontal Positioning of TRV

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, you can proceed with the provided RA adapter.

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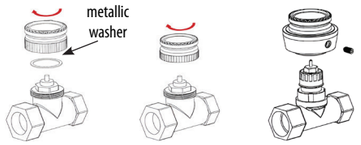
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05/2026

Instalare

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

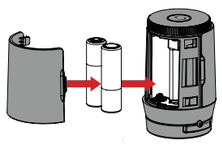
M28 - Please check if your valve requires the metallic washer for proper installation and follow below instructions.
M30 - Follow the instructions bellow.
Danfoss Valve - Follow the instructions bellow.



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

Note: 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.

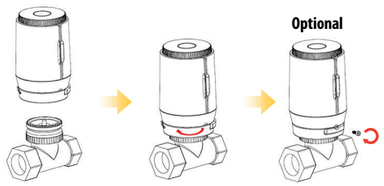


Note: Upon initial power-up, the display will indicate the symbol [- -]. This symbol will remain visible until the actuator stem is fully retracted. No input needed while this symbol is a 3 x trv3rf(SUPER-QUIET TRV)



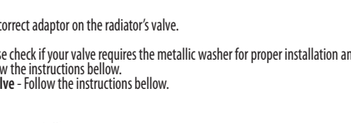
3 Mount the TRV head on the radiator valve with the selected adapter.

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.



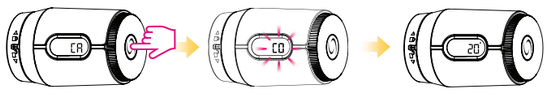
4 Adjust the display orientation by using dial ring to accommodate the TRV's installation in any position, whether horizontal or vertical.

Confirm by pressing Setup button.



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

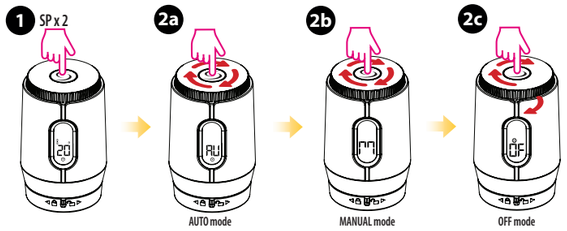
Once the calibration is complete, the screen will display the setpoint temperature.

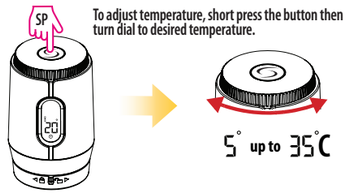


Ensure the valve is installed prior to calibration. Failure to do so will result in the display showing the [- -] error code.

Operation Modes

* SP = Short Press





Factory reset

Short press first, then press again and hold for 3 seconds.

Once Fr (factory reset) is displayed, short press again to initiate factory reset.



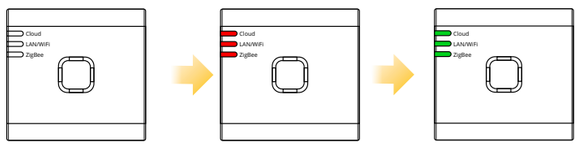
ONLINE INSTALLATION - USING THE ETHERNET CABLE

(with internet connection via the SALUS Premium Lite app)

1

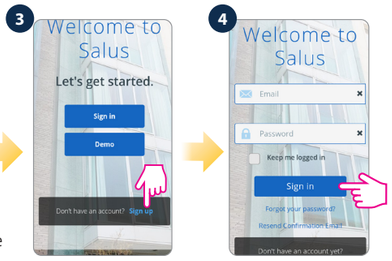


After the gateway has been turned on and connected to the router, wait until all LEDs are green.



2 This product must be used with the SALUS Premium Lite app. Scan the QR codes above to install the app.

3 4 Create an account and confirm it. After that, please log in.



5 6 7



You can choose between LAN or WiFi connection.

8 9 10



11 Edit Homepage Image / Activate my gateway

12 Once the gateway has been activated, the app will automatically go to the main screen, and the three LEDs on the gateway will light up green continuously.

13 10 sec

Now go to RX30RF. Press and hold for 10 seconds to perform a factory reset.

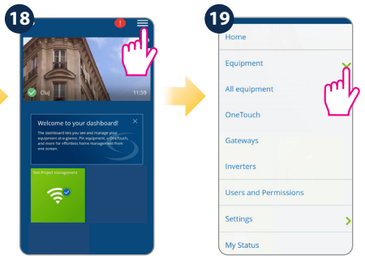
14 LEDs are solid orange.

15 The LEDs flash red rapidly.

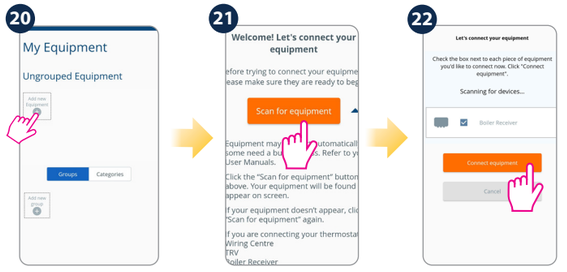
16 Short press to start pairing mode.

17 LEDs flash red slowly.

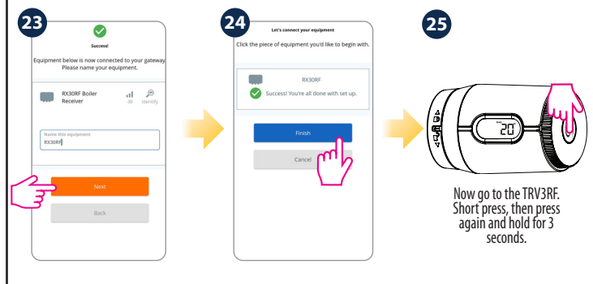
18 19



20 21 22



23 24 25



Now go to the TRV3RF. Short press, then press again and hold for 3 seconds.

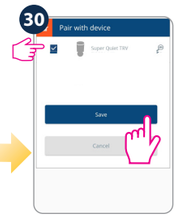
26 When P is flashing, short press again to make the RF symbol ((•)) flash. The TRV3RF is now in pairing mode.

27 Repeat steps 18-21 to add and connect another TRV3RF.

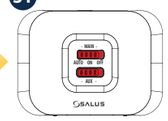
28 Rename the device or keep the suggested name.

29 Go to the RX30RF central receiver page, scroll down, and select the TRV3RF thermostatic head.

30



31



Note: The receiver can be configured as a remote boiler switch or zone valve controller. It provides a two-channel output. The first channel (main output) can be associated with multiple smart TRVs up to a maximum of 16 units for a heat demand function.

TRV3RF settings in the app

Option	Description
Open window detection	Activation/Deactivation If the TRV detects that the room window is open = "OP" will appear on the display. The valve will remain closed for 30 minutes, unless the temperature rises by at least 0.25C or more. If the temperature rises by at least 0.25C or more, the valve will open.
Modes	Auto: follows the preset schedule Manual ON: the TRV is fully open (independent of the thermostat). Manual OFF: the TRV is fully closed (independent of the thermostat).
The position of the tap when the battery is low	Normally Open - The valve remains in the OPEN position when the battery is discharged. Normally Closed - The valve remains in the CLOSED position when the battery is discharged.
Heat control	Boiler system - Controls an independent heating system Central heating - For systems with their own boiler.
Temperature calibration	Adjust the displayed temperature to match the actual room temperature.
Minimum opening point of the valve	Default 8 (from 5 to 35) Sets the lowest valve opening level. Useful if automatic calibration does not allow sufficient heat transfer fluid flow in the open position. **WARNING!** Too high a value can cause a constant flow when the TRV is closed.

TRV PAIRING WITH UG800 IN OFFLINE MODE

1 5 sec

2 Press briefly, then press again and hold for 3 seconds.

3 When P is flashing, short press again. The RF ((•)) symbol will start flashing. The TRV3RF is now in pairing mode.

4 5 sec

TRV PAIRING WITH RX30RF IN OFFLINE MODE

1 Short press, then press again and hold for 3 seconds.

2 Rotate the dial until the [- br] symbol for boiler receiver is displayed.

Thank you for purchasing the Smart Home Radiator package!

SALUS CONTROLS