SALUS CONTROLS

4-in-1 wireless programmable digital thermostat

Modèles : VS10WRF, VS10BRF, VS20WRF, VS20BRF



MULTI-LANGUAGE MANUAL

Quick guide

Introduction

VS10 .. RF / VS20 .. RF is a room temperature Thermostat that is used for wireless control of iT600 series devices such as: KL08RF wiring centre, TRV radiator valve and RX10RF boiler receiver. In combination with Universal Gateway UGE600/UG600/UG800 this Thermostat can be controlled over the Internet using the SALUS Premium Lite app (Online mode). Without Internet connection (Offline mode) thermostat works locally, but its communication with other devices must be done through the coordinating unit - C010RF.

Product compliance

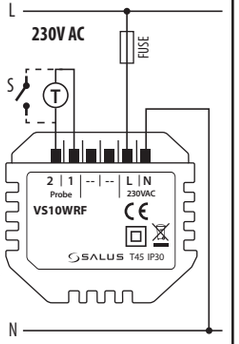
EU Directives: GPSR 2023/988/EU, RED 2025/138/EU, RoHS 2015/863/EU amendment 2017/2102/EU and REACH SVHC 253. Full details are available on the website www.saluslegal.com.
RF:2405/2480 MHz; <14dBm for ZigBee

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.

Wiring diagram - VS10WRF (white), VS10BRF (black)





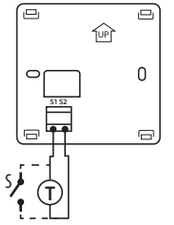
Power Supply: 230V AC (L, N terminals)

1,2 Terminals:
- external air or floor temperature sensor
- external contact (occupancy sensor)
- external hot water thermostat
(only with KL10RF configuration)

Montage: 60mm concealed box

Wiring diagram - VS20WRF (white), VS20BRF (black)



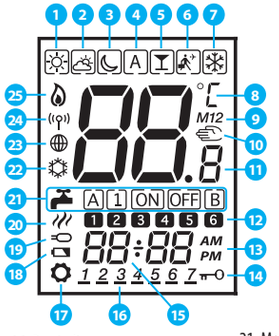


Power Supply: 4xAAA (alkaline batteries)

S1, S2 Terminals:
- external air or floor temperature sensor
- external contact (occupancy sensor)
- external hot water thermostat
(only with KL10RF configuration)

Montage: surface mounting (need to remove back cover)

LCD Icon description



1. Comfort temperature
2. Standard temperature
3. Economic temperature
4. Automatic mode
5. PARTY mode
6. Holiday mode
7. Antifrost mode
8. Temperature unit
9. Group controller
10. Manual mode/ override temp.
11. Current / set temperature
12. Program number
13. AM/ PM
14. Lock function
15. Clock
16. Day indicator
17. Settings
18. Low battery indicator
19. External temperature sensor
20. Hot water heating
21. Modes for Hot Water (KL10RF only)
22. Cooling mode ON
23. Internet connection indicator
24. Gateway wireless connection
25. Heating mode ON

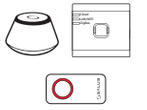
Button Functions

Button	Function
∧ / ∨	Increasing/decreasing temperature or other value
〈 / 〉	Selecting the operating mode or switching between values
✓	Short press - approve selection Hold - enter / exit to or from the menu
∧ + ∨	Hold down these buttons to lock or unlock the keyboard
✓ + 〈 + 〉	Hold down these buttons to enter installer mode

Select the type of ZigBee coordinator:

Choose a ZigBee coordinator and prepare it to work with iT600 series devices:

- Online - connected to the Internet via the **UGE600/UG800** gateway
or
- Offline -the ability to connect to the Internet using the **UGE600/UG800** gateway
or
- Offline - without Internet connection with **C010RF** coordinator



Firstly with the selected coordinator need to install devices, which will be controlled by thermostat. Pairing method of each devices is described in the manual instruction of a particular device.



KL08RF

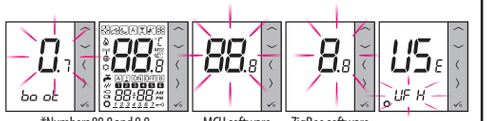


Thermostatic radiator valve (TRV)



RX10RF/ RX30RF

Installation - first start up



*Numbers 88.8 and 8.8 relate to the software version

MCU software

ZigBee software

Thermostat starts up in a simplified configuration mode. You can choose to pair with:

UF H - KL08RF or KL10RF wiring centre (underfloor heating)

rAd - Thermostatic radiator valve (radiator heating)

Note: Thermostat is set by default as programmable (weekly).

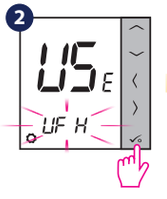
Installation - pairing with KL08RF / KL10RF wiring centre

1



Install the wiring centre according to the instructions attached to the product.

2



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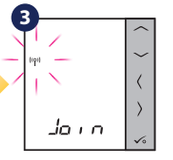


When "Join" is showing just wait until "Pair" will show.

4

Online

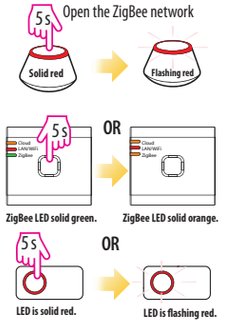


SALUS Premium Lite

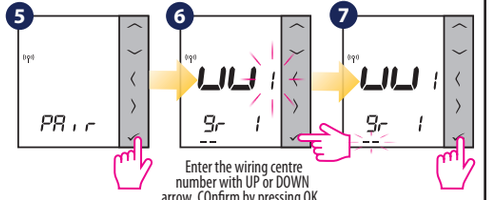


Offline

WARNING!
Do not use C010RF coordinator with UGE600/UG600/UG800 simultaneously.



5 6 7



Enter the wiring centre number with UP or DOWN arrow. COnfirm by pressing OK.

NOTE: The wiring centre number can be found out by pressing the pair button for 1 sec. The number will be shown by the corresponding LED.

8 9



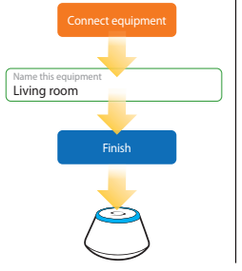
Enter the zone (room) number with UP or DOWN arrow. COnfirm by pressing OK.

ONLINE MODE

OFFLINE MODE

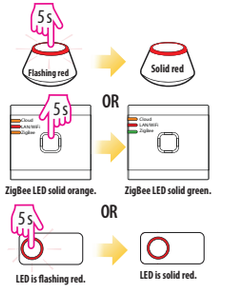
10

Online



Offline

Close the ZigBee network



Pairing thermostat with TRV in Online mode

WARNING! You can connect up to 6 heads to one thermostat.

1. Install the TRV on the valve according to the instructions attached to the product.
2. Select the device type - TRV.
3. Join
4. SALUS Premium Lite
5. High Street Apartment
6. Home / Equipment / Settings / Help / My Status
7. Back / All equipment / OneTouch / Gateways
8. Ungrouped Equipment — Add new Equipment — Gateway
9. Scan for equipment
10. Pair
11. Obru
12. 23.0 — 11:23
13. Connect equipment
14. Name this equipment: Living room
15. Finish
16. Open the tab with the main parameters of the thermostat, set to work with TRV.
    0 TRVs on this thermostat
17. Select TRV(s) for Living room
    TRV-1 Living room
18. Save
19. 1 TRVs on this thermostat

Pairing thermostat with TRV in Offline mode

WARNING! You can connect up to 6 heads to one thermostat.

1. Install the TRV on the valve according to the instructions attached to the product.
   Hold the button for 10 seconds. The LED on the head should start to blink red
2. UFH
3. rAd — Select the device type - TRV.
4. Join — When "Join" is showing just wait until "Pair" will show.
5. Open the ZigBee network
   Solid red → Flashing red
   OR ZigBee LED solid green. → ZigBee LED solid orange.
   OR LED is solid red. → LED is flashing red.

WARNING! Do not use CO10RF coordinator with UGE600/UGG600/UG800 simultaneously.

6. Pair — Device is paired with coordinator, diode on the TRV will start to blink orange.
7. Obru — Diode on the TRV will light up once green and stop blinking.
8. Itru — TRV has been added.
9. 23.0 — 11:23 — Thermostat will go to the home screen.
10. Close the ZigBee network.
    Flashing red → Solid red
    OR ZigBee LED solid orange. → ZigBee LED solid green.
    OR LED is flashing red. → LED is solid red.

Pairing thermostat with RX10RF boiler receiver

1. Install the RX10RF boiler receiver according to the instructions attached to the product. Choose proper mode configuration with RX1/RX2 switch inside of RX10RF, then prepare regulator for pairing.

WARNING! In network coordinator can works only with 1 receiver in RX1 mode and 1 receiver in RX2 mode.

2. Run thermostat in extended configuration mode and select the device type *:
   *check full manual for extenden configuration
   RX10RF in RX1 mode: rEC1 OR RX10RF in RX2 mode: rEC2
3. Join
4. **Online**
   SALUS Premium Lite
   Ungrouped Equipment — Add new Equipment — Gateway
   Scan for equipment

   Offline
   WARNING! Do not use CO10RF coordinator with UGE600/UGG600/UG800 simultaneously.
   Open the ZigBee network
   Solid red → Flashing red
   OR ZigBee LED solid green. → ZigBee LED solid orange.
   OR LED is solid red. → LED is flashing red.
5. Pair
   rEC1 OR rEC2 → 23.0 — 11:23
6. **Online**
   Connect equipment
   Name this equipment: Boiler
   Finish

   Offline
   Close the ZigBee network
   Flashing red → Solid red
   OR ZigBee LED solid orange. → ZigBee LED solid green.
   OR LED is flashing red. → LED is solid red.

Identification of paired devices

Enter the Installer Mode, select code "00" and confirm by pressing the OK button.

1. 23.0 — 11:23
2. 00 (5 sec) PSuu
3. 10 Id
4. LED diodes on the devices connected to the thermostat will start to blink.
5. 10 Id
6. 23.0 — 11:23

Press OK to exit the test menu.

Temperature change

To select the temperature, press the UP or DOWN arrow and then confirm it by pressing the OK button.

1. 21.0 — 11:23
2. 23.5 — 11:23
3. 21.0 — 11:23

Factory Reset

If you have made an error, need to change your thermostat parameters or want to return to the factory settings, please follow the below steps

1. 23.0 — 11:23
2. 00 (5 sec) PSuu
3. 47 PSuu
4. dEL
5. AES — S
6. UFH

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