

Package content



SQ605RF(WB) Wireless dial room thermostat



1 x Installer Manual



Fixing Screws



3M Sticker-self adhesive tape



AAAA batteries x 2

Icons used in this manual:



Safety



Important info



Your benefit

Product Description

Thank you for purchasing the SQ605RF(WB) Thermostat. This thermostat is a device that let's you customize the heating and cooling of your home as needed. The SQ605RF(WB) is a wireless dial room thermostat used for underfloor heating systems. The thermostat is compatible in the offline mode with the wiring centre KL08RF and its extension KL04RF, coordinator C010RF and the repeater RE10RF. Easy to operate using the conventional adjusting dial, it offers unique control convenience for your underfloor heating system. We hope you enjoy our product.

Product Compliance

This product complies with the essential requirements and other relevant provisions of RED Directives 2014/53/EU and 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com

(P) 2405MHz-2480MHz; <14dBm (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. Disconnect your equipment before cleaning it with a dry cloth.

Mounting



The ideal position to locate the thermostat is 1,5 m above floor level, far from heating or cooling sources. The thermostat can't be exposed to sunlight or any extreme conditions, for example draft. It should be mounted in a location where the thermostat is easily accessible and away from direct sunlight.

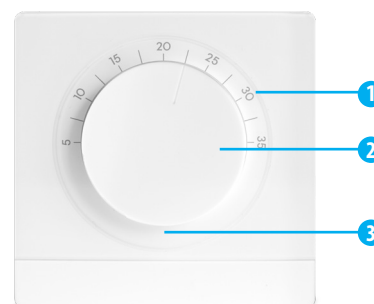


For wall mounting, to mount the thermostat you can use included accessories (mounting screws or self-adhesive tape). Remove back cover to mount the plate to the wall. After this just attach thermostat to the plate (it has built-in magnet).



User interface

Front



1. Temperature scale
2. Dial button
3. LED

Temperature is set by turning the knob to wanted temperature: 5° - 35°C.



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V005

For PDF installation guide please go to www.salus-manuals.com

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www.salus-controls.com



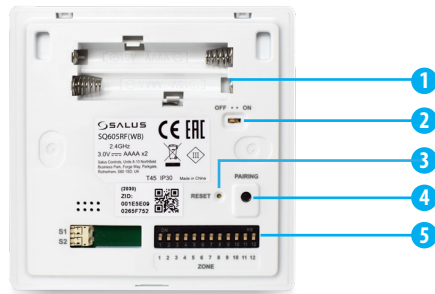
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Units 8-10 Northfield Business Park
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United Kingdom

Wireless dial room thermostat Model: SQ605RF(WB)



INSTALLER MANUAL

Backplate



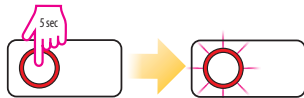
1. Batteries
2. ON/OFF Switch
3. RESET Button
4. Pairing Button
5. Jumpers (for zone selection)

Pairing (offline mode)

- 1 Please install the wiring centre according to the instructions attached to the product.



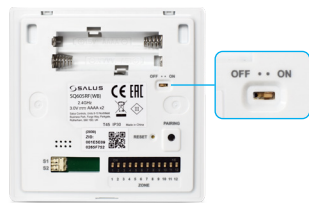
- 2 Press and hold the CO10RF coordinator button for 5 seconds to open the ZigBee network.



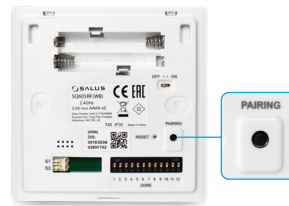
- 3 Set the jumpers:
Jumper 1= zone 1, Jumper 2=zone 2, etc.
By setting up more than one jumper, the thermostat will be able to control multiple zones.

- 4 Carefully insert the batteries into the thermostat.

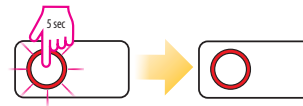
- 5 Turn the thermostat ON by using the on/off switch as seen below. The default position is OFF.



- 6 Press the PAIRING button for 3 to 10 seconds to start the pairing process. When the LED stops flashing, the thermostat is paired.



- 7 When all the thermostats are paired, press and hold the CO10RF coordinator button for 5 seconds to close the ZigBee network.



i If the thermostat fails to join the network within 10 minutes, then the thermostat quit scanning the network. To restart the network scanning process, please hold pressed the pairing button for 3 to 10 seconds.

Operating of the Pairing Button

Behavior	Function
Short press: press and hold the button less than 3 seconds).	If the device is connected to the network/indicates heating or cooling state. If the device has not network, it indicates no network state.
Long press: press and hold the button longer than 3 seconds to maximum 10 seconds.	Start scanning the network if the device it's not connected to the network. Start Identify if the device is connected to the network. Stop Identify if the device is in the process of identifying.
Extreme long press: press and hold the button longer than 10 seconds.	Start factory resetting/ device leaves network and resets all parameters.

LED Indication

Short press (press and hold the pairing button less than 3 seconds) to see the thermostat status.

Output call	LED indication
Idle	All LEDs are off.
Heating	Red LED illuminates for 1 second.
Cooling	Blue LED illuminates for 1 second.
Scanning Network	Red LED flashes for 0.25 seconds ON, 0.25 seconds OFF, 0.25 seconds ON, 0.25 seconds OFF, 0.25 seconds ON, 3.75 second OFF then cycle.
Device Pairing	Red and Green LED blink 0.25 seconds ON and 0.75 seconds OFF then cycle.

Error indication

LED will start flashing automatic, when error occurred.

Error	LED indication
Lost Parent	All LEDs blink 0.25 seconds ON and 0.25 seconds OFF for 3 times every 30 seconds.
Lost Link with Paired device	All LEDs blink 0.25 seconds ON and 0.25 seconds OFF for 2 times every 30 seconds.
Lost link with Coordinator	All LEDs blink 0.25 seconds ON and 0.25 seconds OFF for 1 time every 30 seconds.
Low Battery	Blue LED flashes for 0.25 seconds ON, 9.75 seconds OFF then every 10 seconds.
Sensor Short/Open	Red LED flashes for 0.25 seconds ON, 9.75 seconds OFF every 10 seconds.

Protection function

Heat cut off

When the room temperature is over 36°C, the heating output will be turned off.

Cooling cut off

When the room temperature is under 4°C, the cooling output will be cut off.

Short cycle protection

i When the cooling mode is enabled the minimum interval between On/OFF is 3 minutes.

Control Pattern – Span $\pm 0,5^{\circ}\text{C}$

Heating mode

The thermostat will start heating when the room temperature will get below the setpoint. It will stop the Heating function when the room temperature is on set point or above.

Cooling mode

The thermostat will start cooling when the room temperature gets above the setpoint. The thermostat will stop the Cooling function when the room temperature is on setpoint or below.

Technical Specification

Model:	SQ605RF(WB)
Power Supply:	AAAA battery 1,5V (x2)
Temperature setpoint range:	5°C-35°C
Control algorithm:	Span $\pm 0,5^{\circ}\text{C}$
Storage temperature:	-20°C - 60°C
Ambient temperature:	0°C - 45°C
Humidity (Non condensed)	5 – 95 % RH
Communication protocol:	ZigBee 2,4GHz
Mounting:	Surface mounting
Degree of protection:	IP30
Valve/Frost protection:	Yes/Yes: 5°C.
Heating and cooling:	Yes. Changeover by Wiring Centre
Dimensions (W x H x D)	86 x 86 x 19,5 mm