SALUS CONTROLS — QUANTUM

QUANTUM THERMOSTAT
Model: SQ610RF/SQ610BRF

MULTILANGUAGE MANUAL

Installation Manual

Introduction

The SQ610RF Quantum is a ZigBee temperature controller for wireless control of iT600 series devices, such as the KL08RF wiring centre, mini TRV head, RX10RF/RX30RF boiler control module. In order to control SQ610RF over the Internet or via the SALUS Premium Lite app (ONLINE mode), it must be installed together with the UGE600/UG600 or UG800 Internet gateway (sold separately). From the application level, it is possible to pair SQ610 with other system elements, e.g. Smart Plug SPE600, Smart Relay SR600 or window/door sensor OS600/SW600. SQ610 can be used locally without an Internet connection (OFFLINE mode), however, its communication with other devces must be done using the CO10RF coordinator (sold separately).

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.

⚠ Safety Information

Use in accordance with the regulations. Indoor use only. Keep your device completely dry. Installation must be carried out by a qualified person in accordance to national and EU regulations.
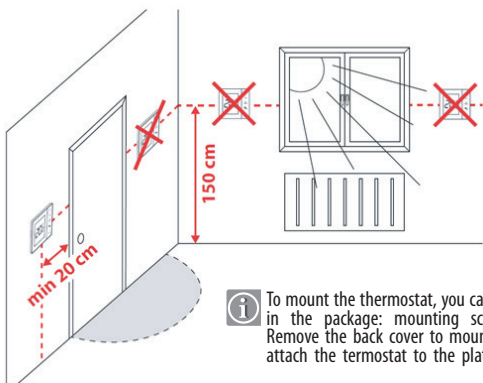
Before you start

The new SQ610RF/SQ610BRF Quantum thermostat is partially charged, however, we recommend to fully charge the battery before using it. Connect the charger to the micro-USB port, which is at the bottom of the thermostat.

ℹ **Charging to full battery level may take up to 24h maximum.**

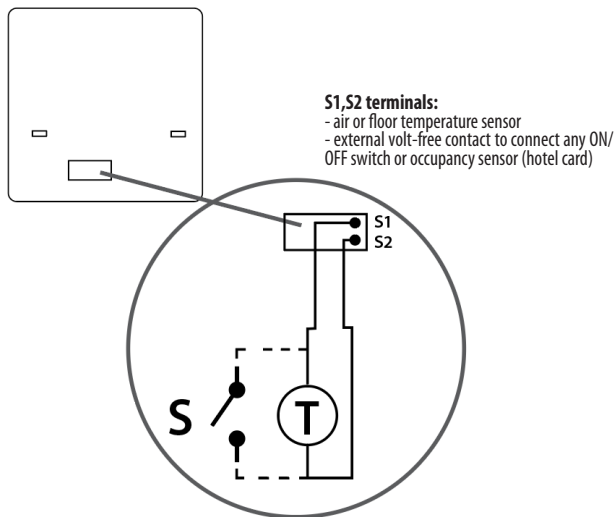### Mounting the thermostat

150 cm
min 20 cm

ℹ To mount the thermostat, you can use the accessories included in the package: mounting screws or self-adhesive tape. Remove the back cover to mount the plate to the wall. Then attach the thermostat to the plate (it has a built-in magnet).

⚠ Please note

The ideal position to mount the thermostat is about 1,5m under floor level, far from heating or cooling sources. Make sure that the thermostat is not exposed to sunlight or any extreme conditions like, for example, draft.

Because of fire and explosion risk, do not use the thermostat in atmosphere of explosive gases and flammable liquids (eg coal dust). If there are any listed dangers, you have to use additional protection measures - anti-dust and explosive gases (tight cover) or prevent their formation. Furthermore, the thermostat can't be used in condensation of water vapor conditions or directly exposed to water.
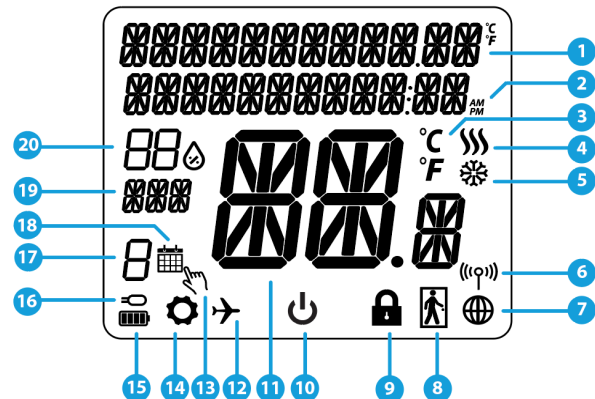

Wiring diagram (S1, S2 Input)

S1,S2 terminals:
- air or floor temperature sensor
- external volt-free contact to connect any ON/OFF switch or occupancy sensor (hotel card)

S1
S2

S   T

Symbols explanation:
S-volt-free contact
T-temperature sensor

LCD Icon Description

1. Menu/Settings description + Clock
2. AM/PM
3. Temperature unit
4. Heating indicator (icon is animating when there is heating demand)
5. Cooling indicator (icon is animating when there is cooling demand)
6. RF Connection indicator
7. Internet connection indicator
8. Occupancy sensor (hotel card)
9. Key lock function
10. Standby mode icon
11. Current Temperature / Setpoint Temperature
12. Holiday mode
13. Temporary override mode
14. Settings icon
15. Battery status indicator
16. External / Floor temp sensor indicator
17. Schedule mode icon
18. Day indicator/ SET information
19. Humidity Display
20. Current Humidity value

Button description

Button	Function
☰	1) Menu button / Return button. 2) In the MAIN SCREEN: Press and hold for 3 sec to change the thermostat operating mode (Schedule mode / Permanent mode / Temporary override mode). 3) In the SETTINGS SCREEN: Press and hold for 3 sec to go back without saving the changes. 4) In the PAIRING SCREEN (in SYSTEM TYPE Menu): Press and hold for 3 sec to see other pairing options.
⌄	„Down" Button (Decrease parameter value/moving on the menu in 'DOWN' direction)
⌃	"Up" Button (Increase parameter value/moving on the menu in 'UP' direction)
✓	1) Press and hold for 3 seconds to POWER UP new device 2) "OK / Tick" Button (Confirm parameter value / Go to the next menu / Save settings) 3) In the MAIN SCREEN: Press and hold for 3 seconds to enter Standby mode 4) In the SETTINGS SCREEN: Press and hold for 3 sec to go back to the MAIN SCREEN & SAVE all the changes. 5) During PAIRING process – hold button for 3 seconds to POWER OFF or REBOOT the thermostat.
⌃⌄	In the MAIN SCREEN - press and hold these buttons together for 3 seconds to LOCK / UNLOCK the Thermostat keys.

First power up sequence, language choice and pairing

1 Remove the protective foil, then power up the thermostat by pressing the power button ✓ for 3 seconds.

2 ...display will show all incons...

3 SOFTWARE VERSION 0.5 — ...then the thermostat will display the software version.

4 LANGUAGE ENGLISH — Now, choose your language by pressing the ⌄ or ⌃ buttons. Confirm by pressing the ✓ button.

5 CONNECT WITH THE NETWORK YES

YES - ONLINE, OFFLINE MODE.
You can configure your thermostat with universal gateway or CO10RF coordinator. That is, add it to the Salus Smart Home system.

General information about the Salus Premium Lite application

ℹ Thanks to the UGE600/UG600 or UG800 Universal Gateway and the SALUS Premium Lite app, the system allows you to remote control of your heating system in any place you are in the moment by smartphone, tablet or computer with Internet connection. Then you have also access to advanced functions of SQ610RF Quantum thermostat. You can also create OneTouch rules to customize system to your needs.

1 Install the Salus Premium Lite app.

GET IT ON Google Play
Download on the App Store

SCAN HERE

2 Power on the UG800 or UGE600/UG600 gateway and connect it to the router.

ℹ Power up the gateway until all LEDs become solid green on UG800 or solid blue on UGE600/UG600. **Press the main button for 3 seconds** to open the ZigBee network.

3
UG800   UGE600/UG600
3 sec   or   3 sec

or   CO10RF

Installation in online mode - Pairing with the KL08RF

1 CONNECT WITH THE NETWORK YES — Select "YES", by pressing the ⌃ or ⌄ buttons. Confirm by pressing ✓.

2 CONNECT WITH THE NETWORK — Now, the thermostat is looking for signal from the gateway...

3 Go to the SALUS Premium Lite app.

4 Open main menu.

5 Select "Settings".

6 Now select "Setup Equipment".

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7 Press "Scan for Equipment".

Welcome! Let's connect your equipment
Before trying to connect your equipment, please make sure they are ready to begin.
1. Equipment may connect automatically but some need a button press. Refer to your User Manuals.
2. Click the "Scan for equipment" button above. Your equipment will be found and appear on screen.
3. If your equipment doesn't appear, click "Scan for equipment" again.
4. If you are connecting your thermostat to Wiring Centre, TRV, Boiler Receiver, Smart relay, Smart plug.

8 The app has started scanning...
Let's connect your equipment — Check the box next to each piece of equipment you'd like to connect now. Click "Connect equipment". Scanning for devices...

9 UGE600/UG600 will start flashing red. UG800 ZigBee LED will show solid orange.

10 GO TO SMART HOME APP — Thermostat is now connected and will show the two icons on the bottom right corner of the screen. Go to the **Salus Premium Lite** app to configure it.

11 Select your thermostat and press on "Connect equipment".

12 Success! — Name your thermostat and select "Next".

13 Press on the gear icon. (Let's set up your equipment — Click the piece of equipment you'd like to begin with. SQ610RF Thermostat)

14 Thermostat" — Please select the device to pair: UFH Wiring Center or Control Box / Smart Radiator Control / Smart Plug / Smart Relay — Now, choose "UFH Wiring Centre or Control Box" option.

15 Setup for your SQ610RF Thermostat — Please select the correct Underfloor heating Wiring Center or Control Box from the below list. If your UFH Wiring Center or Control Box is not on the list, then associate click later. Available UFH Wiring Centers or Control Boxes. — Select your KL08RF/Control Box added before.

Computime

V01
04/2025

16 Zone 1 ... Zone 12 / Pair

Select the zone which you want to allocate your thermostat. You can pair one thermostat with more than one zone.

17 Setup for your SQ610RF Thermostat

Would you like to run default schedule?
- No
- Yes

Complete set up

Choose "No" if you want to set your own schedule later or "Yes" if default now.

18 Standby — Pin

Would you like to pin this piece of equipment to your dashboard? A pin sticks your most important items to the dashboard for first, easy access.

- Pin
- Don't pin

Complete set up / Cancel

Pin thermostat to the main app screen and complete set up.

19 Cloud / LAN/WiFi / ZigBee

UG800 LEDs show solid **green**.
UGE600/UG600 shows solid **blue**.

20 12:00 18.0 °C

After that, the thermostat will display the main screen.

Congratulations, **you've successfully configured the SQ610RF Quantum** thermostat with the KL08RF control box.

ⓘ **Note**: Once the ZigBee network is open, you can add other compatible products such as SW600, SPE600, SR600, Mini TRV and RX10RF.

Installation in offline mode - Pairing with the KL08RF

1

2 CONNECT WITH THE NETWORK YEs

Select "Yes" by pressing or Press ✓ to confirm.

3 CONNECT WITH THE NETWORK

The thermostat will start looking for the gateway's signal...

4 Open the ZigBee network.
UG800   UGE600/UG600
3 sec   3 sec
or
or   C010RF
3 sec

5 SYSTEM TYPE UNDERFLOOR

Select system type: UNDERFLOOR. Press ✓ to confirm.

6 SELECT THE CONTROL BOX 01

Using the UP and DOWN buttons, select the control box number. Press ✓ to confirm.

7 SELECT THE ZONE BOX 01

Use the UP and DOWN buttons, select the zone number. Press ✓ to confirm.

8 ADDITIONAL ZONE --

You can pair your thermostat with more than one zone. Select additional zones or finish the pairing process by pressing ✓.

9 12:00 18.0 °C

When the thermostat is successfully paired, main screen will be displayed.

10 Close the ZigBee network.
3 sec

Replace zone

1 ZONE OCCUPIED

2 REPLACE ZONE YEs

ⓘ **Note**: If the user will choose an already occupied zone, then the thermostat will display "ZONE OCCUPIED". The occupied zone can be replaced by another thermostat. It will remove the current thermostat that is assigned to that zone.

Setting the schedule: in the app (online mode)

1 Select the thermostat from the main app menu.

2 Press on the thermostat's name.

3 Schedule — MON-FRI / SAT-SUN — TIME / HEATING — 6:00 21° — 23:00 19° — Enable

Scroll down and press the pencil button. As you can see, there is a default schedule. You can delete all of the default intervals by pressing the ⊖ button.

4 SQ610RF Thermostat
Working Week / MON-FRI and SAT+SUN
Home most of the time / MON-SUN
Daily
MON-FRI / SAT-SUN — TIME / HEATING — 6:00 21° — 23:00 19°

Choose which days you want the program to schedule:
* 5+2 (5 days same program + 2 days same program - MON-FRI + SAT-SUN)
* Individual, every week (daily)
* All 7 days same program (MON-SUN)

5 Thermostat
Working Week / MON-FRI and SAT+SUN ▼
MON-FRI / SAT-SUN — TIME / HEATING — 6:00 21° — 23:00 19° — Add Interval ⊕

After you select the period, use the "Add interval" option to add your intervals to the schedule.

6 Add a new Interval — Time 00:00 — Heating 24 — off — Add / Cancel

Then, add the start time and temperature setpoint. **Confirm by pressing the "Add" button.**

ⓘ **Note:** You can add as many intervals as you wish by repeating the procedure described from steps 3 to 6. The procedure is the same for all 3 schedule configurations. You can also customise the programs on the thermostat in any way you want.

7 MON-FRI / SAT-SUN — TIME / HEATING — 6:00 24° — 15:00 22° — 22:00 20° — Add interval ⊕ — Save / Cancel

After you've added all the intervals, press "Save" to save and set your schedule.

8 Thermostat Schedule
Create your own schedule
SQ610RF Thermostat — Duplicate schedule
Working Week / MON-FRI and SAT+SUN ▼
MON-FRI / SAT-SUN — TIME / HEATING — 6:00 24° — 15:00 22°

ADDITIONALLY: You can duplicate the same schedule for other thermostats. Click on the "Duplicate schedule" option.

9 Duplicate schedule
Which thermostat(s) would you like to duplicate this schedule to?
Home ▼
- SQ610 230V Thermostat
- SQ610RF Thermostat11
Duplicate / Cancel

Select the thermostat for which you want to duplicate the schedule.

10 Duplicate schedule
Which thermostat(s) would you like to duplicate this schedule to?
Home ▼
- SQ610 230V Thermostat
- SQ610RF Thermostat11
Duplicate / Cancel

The app will now ask you to duplicate the schedule and save your choice. The selected thermostat will have the same schedule.

ⓘ **Note:** To delete any interval in the schedule, just use the ⊖ button next to the selected interval.

MON-FRI / SAT-SUN — TIME / HEATING — 6:00 24° — 15:00 22° — 22:00 20° — Add interval ⊕ — Save / Cancel

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Setting the schedule: using the thermostat (offline mode)

1 11:45 25.0 °C — 78°

Press the ≡ button to enter main menu.

2 SCHEDULE SETTINGS

Press ✓ to enter "Schedule Settings".

ⓘ **Note:** There are 3 possible schedule variants. Use the ∨ or ∧ buttons to select the schedule variant and confirm using ✓.

3 SCHEDULE MO-FRISA-SU

Separate schedule for **WORKING DAYS** and separate schedule for **WEEKENDS**.

SCHEDULE MO-SU

One schedule for the **WHOLE WEEK**.

SCHEDULE SINGLE DAYS

Seven separate schedules for **SINGLE DAYS**.

Schedule programming example for the WHOLE WEEK:

4 MO-SU FROM 06:00

5 MO-SU FROM 06:00 21.0

6 Thermostat will move to the next program (next time period). If you made a mistake, you can go back to the previous step using the ≡ button (changes will not be saved). Repeat steps 4 and 5 for the next time periods in the schedule. No time --:-- on the display means given program is skipped. There are 6 programs/time periods in the schedule. Hold the ✓ button for 3 seconds to save and exit schedule editing.

7 12:00 24.0 °C — 6:16 TUE

After setting the schedule, the thermostat will be working in schedule mode. The calendar icon will show up on the display.

Factory reset

1 12:00 18.0 °C — 78°

Press the ≡ button to enter main menu.

2 ADMIN SETTINGS

Go to the Admin Settings.

3 FACTORY RESET

Choose the "Factory Reset" option.

4 FACTORY RESET YEs

Select YES and confirm choice by pressing the ✓ button.

5 RESETTING

Wait for a few moments for the factory reset procedure to finish. Now, you can remove the thermostat from the app.

OneTouch rules (add/edit)

OneTouch is a function that distinguishes SALUS Smart Home system in terms of functionality. OneTouch rules are pre-configured set of actions defined in the interface for ease of use. You can switch it on or off anytime. OneTouch informs the thermostat or other device how it has to work according to pre-set settings.

There are **3 pre-defined** OneTouch rules:

- **Party Mode** - set thermostat temperature to 21º C for 2 hours
- **Comfort Temperature** - set the thermostat temperature to 21ºC.
- **Holiday Mode** - set the optimal temperature to save energy while you're away from home.

1 Smart Home System
Open the main menu in the app.

2 Home / Equipment / Settings / Help / My Status / Join / Legal / Logout
Select Equipment.

3 All equipment / OneTouch / Gateways
Select the OneTouch option.

4 Quantum Thermostats
- Party Mode — Set thermostat to 21°C for 2 hours
- Run Comfort Temperature — Set thermostat to 21°C
- Run Standby Mode — Set thermostat to Standby
- Holiday mode — Set thermostat mode for holiday
Add OneTouch / Cancel

Choose "Party Mode" as one of the built-in OneTouch rules. Click "Add OneTouch" to add it.

5 Apply OneTouch rule 'Party Mode'
SQ610RF Thermo...
Cancel / Apply

Select the thermostats which you **want to configure with this rule. Press "Apply"** to confirm.

6 WHEN — Run Now button is pressed
DO THIS — Set SQ610RF Thermostat to 21 °C
THEN DO THIS LATER — Set SQ610RF Thermostat to follow schedule in 2 hours
Run now / Edit / Delete

Party Mode has been activated. You can check how it works by pressing the "Run now" button.

ⓘ You can also create your own OneTouch rule. Please refer to the full installation manual for the complete procedure on how to create your own OneTouch rule. **Scan the QR code on the right.**

SCAN HERE

Technical information

Power Supply	Li-Ion Rechargeable Battery
Charging time	24 Hrs after 1 to 2 years of continous use
UK Boiler Plus Compatibility	Yes
Operating temperature	0°C-45°C
Storage temperature	-20 to +60°C
Safety approval	Class III
Control via app	Salus Premium Lite App
Dual control	Heating and cooling
Alerts and notifications	Email or SMS
Administrator function	The thermostat can be locked using the Salus Premium Lite app
Number of devices supported	16
Communication protocol	Wi-Fi 2.4GHz via ZigBee
Display type	LCD display
Multilanguage support	Yes
Protocol	Heating and cooling algorithms, including TPI
Pairing	The thermostat and the receiver come prepaired from factory.
Dimensions (Width x Height x Depth)	86 x 86 x 11 mm