OMNIE.

CSQ-STAT230V
OMNIE Thermostat - Hard Wired 230V

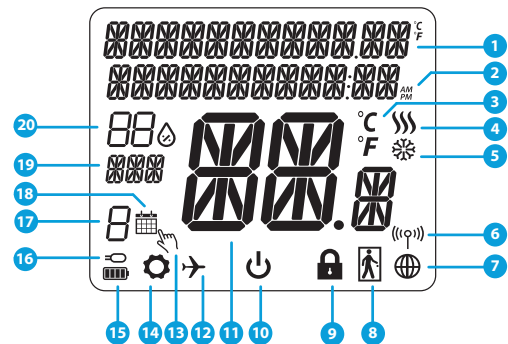- 230 V Powered
- Easy installation
- Wireless Control
- Humidity Sensor

Quick Guide

Introduction

The CSQ-STAT230 V is a ZigBee temperature controller for wireless control of a series devices, compatible with product such as a wiring centre, mini TRV head or a boiler control module. In order to control CSQ-STAT230V via the **OMNIE Home app (ONLINE mode)**, it must be installed together with the OMNIE Communications Gateway (sold separately). From the application level, it is possible to pair CSQ-STAT230V with other system elements, e.g. Smart Plug, OMNIE Smart Relay or window/door sensor. CSQ-STAT230V can be used locally without an Internet connection **(OFFLINE mode)**.

Product Compliance

This product complies with the essential requirements and other relevant provisions of Directives 2014/30/EU, 2014/35/EU, 2014/53/EU and 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.omnie.co.uk/legal 868.0-868.6MHz; <13dBm

⚠ 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.

> ⚡ Please always ensure the AC 230V mains power is switched off before installing or working on any components.

Package Content:

1) CSQ-STAT230V thermostat
2) Mounting screws
3) Manual instruction

Before you start:
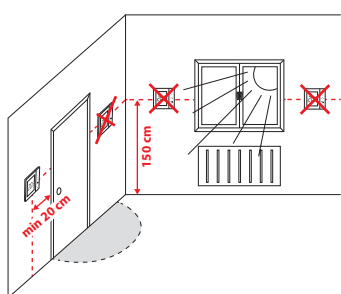
Wiring diagram:

Symbols explanation:
S – volt-free contact
T – temperature sensor
S1,S2 Terminals:
- air or floor temperature sensor
- external volt-free contact to connect any ON/OFF switch or occupancy sensor (Hotel card)

⚠ Please note:

The ideal position to thermostat mounting is about 1,5m under floor level far from heating or cooling sources. Thermostat can't be exposed to sunlight or any extreme conditions like for example draft.

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. Baterry status indicator
16. External / Floor temp sensor indicator
17. Schedule program number
18. Schedule mode icon
19. Day indicator/ SET information
20. Current Humidity value

Buttons 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).

Compatibility with Other OMNIE devices:

CSQ-STAT230V Thermostat can work in ONLINE or OFFLINE mode. *
At first step you need to decide in which mode your thermostat will work.

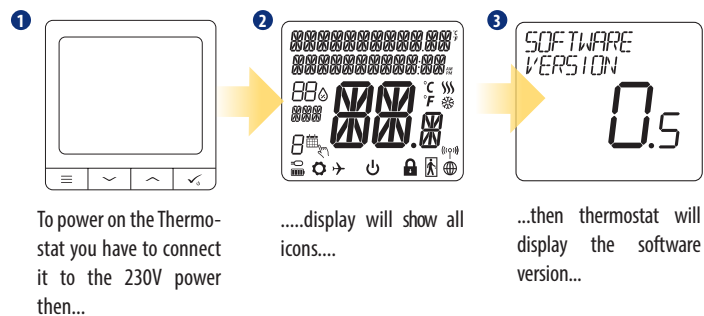| ONLINE MODE	OFFLINE MODE
OMNIE Communications Gateway is CONNECTED TO THE INTERNET You can configure and use all your devices in the OMNIE Home App	**OMNIE Communications Gateway is NOT CONNECTED TO THE INTERNET -** You can use your devices locally without the Home App. Gateway works in this mode as standard ZigBee coordinator.

Download the OMNIE Home App on your iOS or Android device for remote access to your OMNIE equipment.

GET IT ON Google Play
Download on the App Store

OMNIE Home App

Compatibile devices:

CSQ-RELAYRF OMNIE Smart Relay

*Only with Online Mode

Wiring Centre for 8-zone underfloor heating (UFH).

TRV (Thermostatic Radiator Valve) with wireless communication.

First Power Up Sequence

⚠ Please note:

For easier installation, please make sure you have already added other devices to your ZigBee network, such as Underfloor Heating Control Box or Radiator heads etc.

1 To power on the Thermostat you have to connect it to the 230V power then...

2 .....display will show all icons....

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

4 LANGUAGE ENGLISH Now, choose your language by „⌄" or „⌃" buttons. Confirm your language by ✓ button.

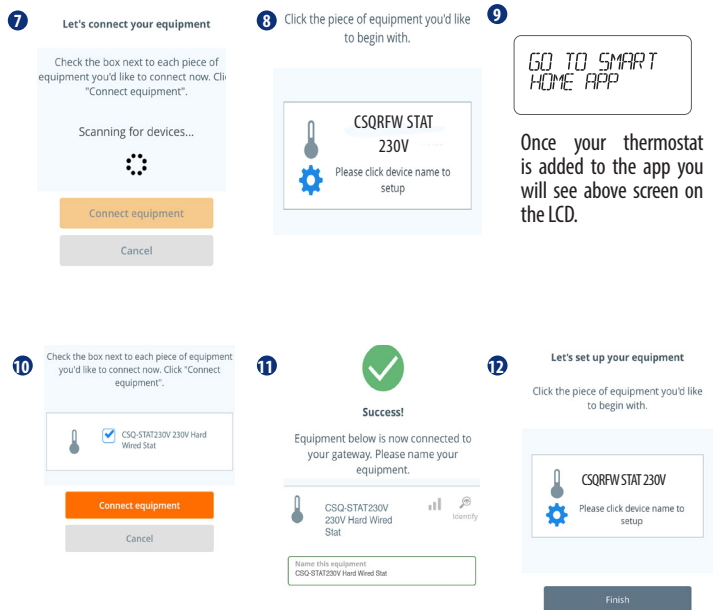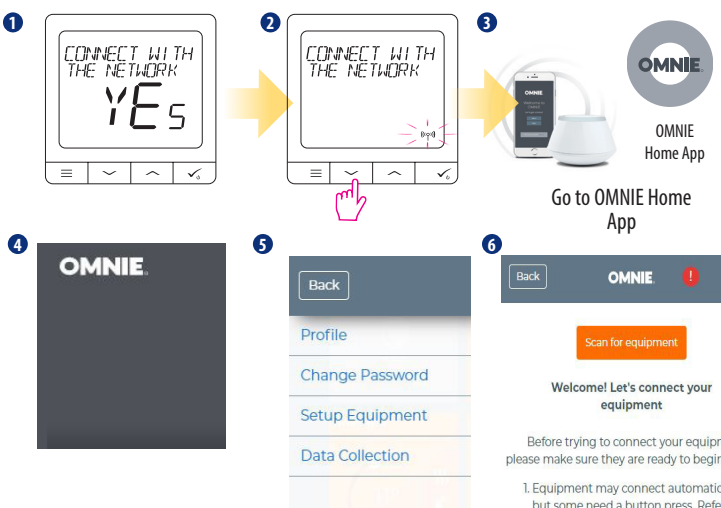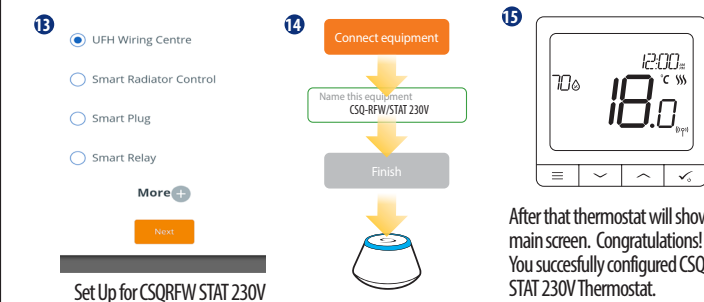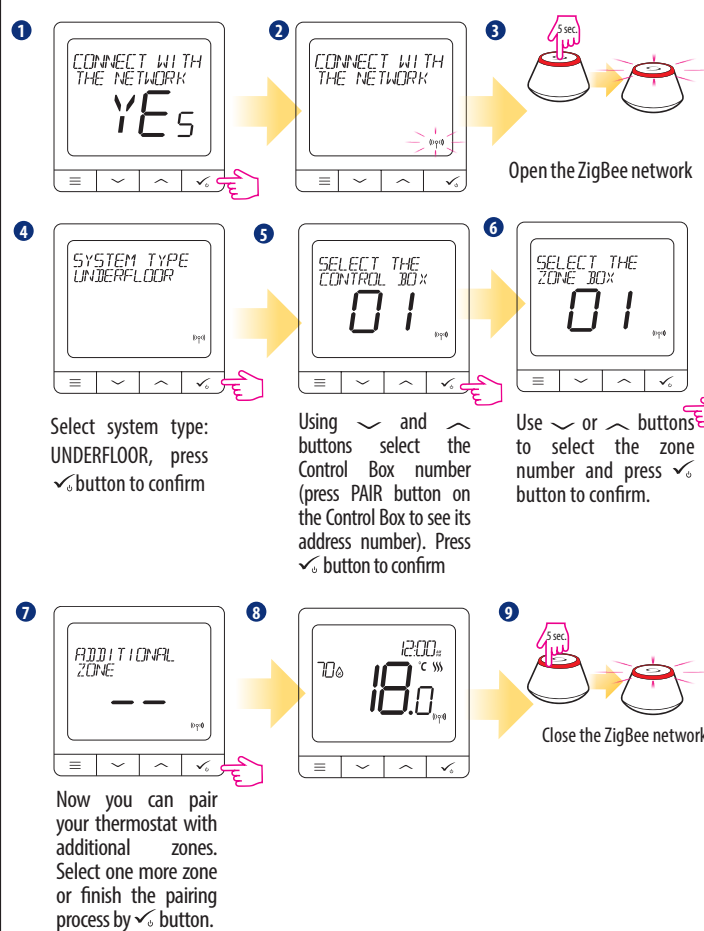**5** CONNECT WITH THE NETWORK YES

YES-ONLINE, OFFLINE MODE.
You can configure your thermostat with OMNIE Communications Gateway. That is, add it to the OMNIE Home system.

NO- STANDALONE.
Thermostat work as a standalone device for pump, boiler, receivers etc. That is, you can directly connect thermostat to selected device without any network system. You can add it later anytime.

Installation in ONLINE mode

After Language selection follow below steps to add your device to the OMNIE Home App and pair with other devices:

1 CONNECT WITH THE NETWORK YES

2 CONNECT WITH THE NETWORK

3 OMNIE Home App — Go to OMNIE Home App

4 OMNIE.

5 Back
Profile
Change Password
Setup Equipment
Data Collection

6 Back OMNIE ❗
Scan for equipment
Welcome! Let's connect your equipment
Before trying to connect your equipme please make sure they are ready to begin.
1. Equipment may connect automatical but some need a button press. Refer t

7 **Let's connect your equipment**
Check the box next to each piece of equipment you'd like to connect now. Cli "Connect equipment".
Scanning for devices...
Connect equipment
Cancel

8 Click the piece of equipment you'd like to begin with.
CSQRFW STAT 230V
Please click device name to setup

9 GO TO SMART HOME APP
Once your thermostat is added to the app you will see above screen on the LCD.

10 Check the box next to each piece of equipment you'd like to connect now. Click "Connect equipment".
☑ CSQ-STAT230V 230V Hard Wired Stat
Connect equipment
Cancel

11 ✓ **Success!**
Equipment below is now connected to your gateway. Please name your equipment.
CSQ-STAT230V 230V Hard Wired Stat
Name this equipment CSQ-STAT230V Hard Wired Stat

12 **Let's set up your equipment**
Click the piece of equipment you'd like to begin with.
CSQRFW STAT 230V
Please click device name to setup
Finish

13
- ⦿ UFH Wiring Centre
- ◯ Smart Radiator Control
- ◯ Smart Plug
- ◯ Smart Relay
- More ➕
- Next

Set Up for CSQRFW STAT 230V

14 Connect equipment
Name this equipment CSQ-RFW/STAT 230V
Finish

15 After that thermostat will show main screen. Congratulations! You succesfully configured CSQ-STAT 230V Thermostat.

Installation in OFFLINE mode

Pairing with Wiring Centre / Control Box (Install the Wiring Centre / Control Box according to the instructions included with product)
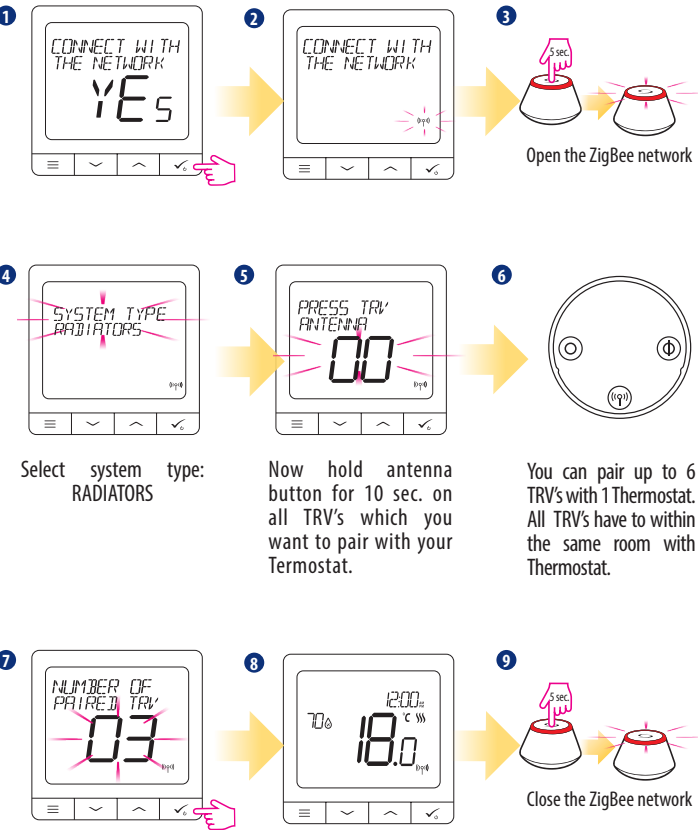
1 CONNECT WITH THE NETWORK YES

2 CONNECT WITH THE NETWORK

3 Open the ZigBee network

4 SYSTEM TYPE UNDERFLOOR
Select system type: UNDERFLOOR, press ✓ button to confirm

5 SELECT THE CONTROL BOX 01
Using ⌄ and ⌃ buttons select the Control Box number (press PAIR button on the Control Box to see its address number). Press ✓ button to confirm

6 SELECT THE ZONE BOX 01
Use ⌄ or ⌃ buttons to select the zone number and press ✓ button to confirm.

7 ADDITIONAL ZONE --
Now you can pair your thermostat with additional zones. Select one more zone or finish the pairing process by ✓ button.

8 (thermostat main screen)

9 Close the ZigBee network

OMNIE Limited
Unit 18 Apple Lane
Exeter
EX2 5GL
United Kingdom

Technical support can be found at:
Customer.services@omnie.co.uk
01392 36 36 05

Pairing with a Thermostatic Radiator Valve

1
CONNECT WITH THE NETWORK
YEs

2
CONNECT WITH THE NETWORK

3
Open the ZigBee network

4
SYSTEM TYPE RADIATORS

5
PRESS TRV ANTENNA
00

6
You can pair up to 6 TRV's with 1 Thermostat. All TRV's have to within the same room with Thermostat.

Select system type: RADIATORS

Now hold antenna button for 10 sec. on all TRV's which you want to pair with your Termostat.

7
NUMBER OF PAIRED TRV
03

8
12:00
70
18.0 ℃

9
Close the ZigBee network

On the LCD you will see the number of paired TRV's. Once all TRV's are paired - press ✓ button to finish the pairing process.
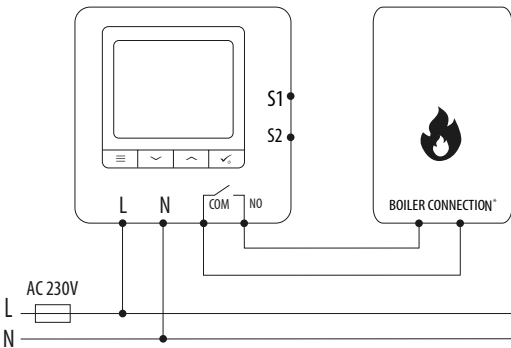
Wired Device

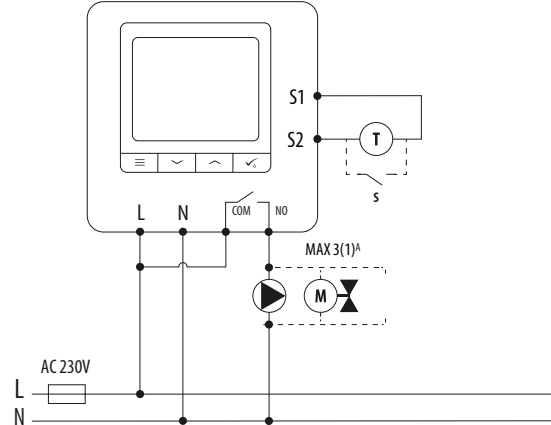⚠ **Please note:**

Thermostat CSQ-STAT 230 V can work without OMNIE Communications Gateway as a standalone device.

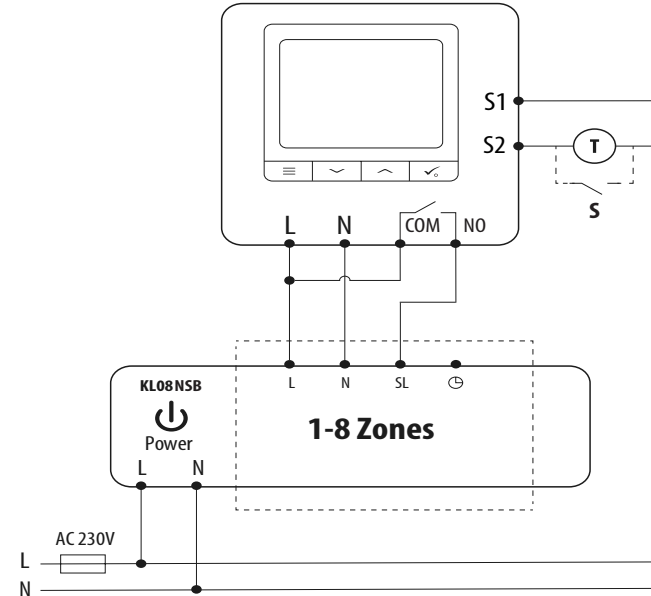**1** Wiring diagram for volt-free connection (e.g. boiler control):

S1
S2
L N COM NO
BOILER CONNECTION*
AC 230V
L
N

2 Wiring diagram for 230VAC connections:

S1
S2
T
S
L N COM NO
MAX 3 (1)A
M
AC 230V
L
N

---

3 Wiring diagram for control box connection:

S1
S2
T
S
L N COM NO

KL08 NSB
L N SL
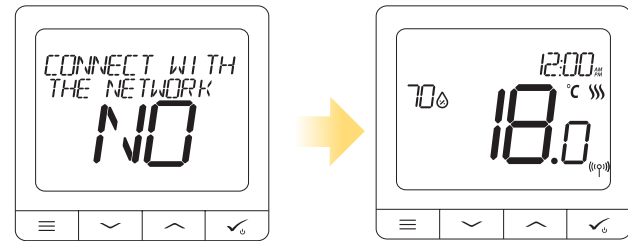1-8 Zones
Power
L N

AC 230V
L
N

Legend:

▶ Pump

Ⓜ Valve actuator

🔥 Heating mat

🔥 Boiler

Boiler connection * – Boiler's contacts for ON/OFF thermostat (according to the boiler's instructions)

CONNECT WITH THE NETWORK
NO

12:00
70
18.0 ℃

⚠ **Please note:**

Self-acting CSQ-STAT230V Thermostat without application support can be easily added to the OMNIE Home App anytime. All settings made before adding to the application are automatically copied to the OMNIE Home App.

CSQ-STAT230V Full menu structure ☰

Main menu

Schedule settings	DISABLE MO-FR+SA-SU MO-SU SINGLE DAYS

| User settings | TIME/DATE
HOLIDAY MODE
THERMOSTAT CALIBRATION
SHOW/HIDE DISPLAY HUMIDITY
SHOW/HIDE DISPLAY FLOOR
STANDBY TEMP SETPOINT
HEAT/COOL
RESET USER SETTINGS |

| Admin settings | TEMPERATURE SCALE
DISPLAY TEMPERATURE RESOLUTION [1.]
HEAT CONTROL ALGORITHM [2.]
COOL CONTROL ALGORITHM
S1/S2 INPUT [3.]
MINIMUM SETPOINT
MAXIMUM SETPOINT
VALVE PROTECTION [4.]
INTERNAL RELAY (NO / NC) [5.]
MINIMUM TURN OFF TIME [6.]
OPTIMISATION FEATURE [7.]
COMFORT WARM FLOOR [8.]
PIN CODE
DEVICE INFORMATION [9.]
CONNECT WITH GATEWAY
FACTORY RESET [10.*] |

| Language | ENGLISH
DANISH
POLISH
... |

Short description of some selected functions
(all functions are described in the full version of the CSQ-STAT230V manual):

1. **DISPLAY TEMP RESOLUTION:** This function determines the resolution of the displayed temperature (0.5°C or 0.1°C).   Temperature unit
2. **CONTROL ALGORITHM:** This function defines how to control the room temperature. Available options are: ITLC for Underfloor Heating / Radiators / Electrical Heating (that's advanced algorithm for precise maintenance of room temperature), hysteresis +/-0.5°C or +/-0.25°C.
3. **S1/S2 INPUT:** A floor sensor, an external temperature sensor or an occupancy sensor can be connected to the S1/S2 input of CSQ-STAT230V Additionally, by connecting a NO type of ON/OFF voltage-free contact, you can use this input as a OneTouch rules trigger (programmed in the OMNIE OMNIE Home App) or as a Heat/Cool changeover.
4. **VALVE PROTECTION:** This function activates all actuators once a week for 5 minutes (in summer, this function helps to prevent the actuators stuck).   r
5. **INTERNAL RELAY (COM/NO):** Internal relay activation or deactivation with COM/NO outputs use. Default is enable.
6. **MIN TURN OFF TIME:** Minimum switch-off time (thermostat will not send the signal for heating/cooling more often than specified in this parameter)
7. **OPTIMISATION FEATURE:** Optimum Start and Optimum Stop functions are energy saving feature that makes thermostat most cost effective (in combination with ITLC control algorithm).
8. **COMFORT WARM FLOOR:** This function helps to keep the floor warm, even if the room is warm enough and there is no need to turn on the heating. User can select 3 levels of warm floor feature. Please note it is not an economy feature, as your heating system may be ON even if there is no heating demand from the room thermostat. It is COMFORT feature which keeps your floor warm all the time.
9. **DEVICE INFORMATION:** In this menu user can check: Software Version, RF range value, Paired devices or also user can activate Identification mode. **FACTORY RESET: Here you can RESET your device to factory settings. After successfull reset device will be removed from ZigBee network and you will need to add / pair your device again.**

CSQ-STAT230V

Power Supply	AC 230 V
Temperature range	5-40°C
Display temperature accuracy	0.5°C or 0.1°C
Control algorithm	ITLC SPAN (±0.25°C / ±0.5°C)
S1-S2 Input (multifunctional input)	Floor temperature Air temperature Occupancy sensor One Touch Changeover (heating/cooling)
Output control	COM – NO (volt-free)
Max current	3 (1) A
Communication protocol	ZigBee 2,4GHz
Mounting	Flush mounting
Working temperature	0-45°C
IP protection class	IP30
Dimensions [Width x Height x Deep]	86 x 86 x 10 mm
Thickness after mounting in a wall-box φ60	10 mm