



SCHEER Room Thermostat 230V including Wi-Fi connection



Installation and User Guide

Room thermostat - WLAN (optional)

Room thermostat



Please read these operating instructions for all information on the installation and operation of your thermostat. Ensure that the thermostat is installed and connected by a professionally qualified person and that it complies with all regional regulations.

In the box you will find:

- 1x Thermostat
- 1x QC Passed
- 2x Screws
- 1x external Floor Sensor (2.5m)

Room thermostat	Item No.
incl. WLAN connection	0170106

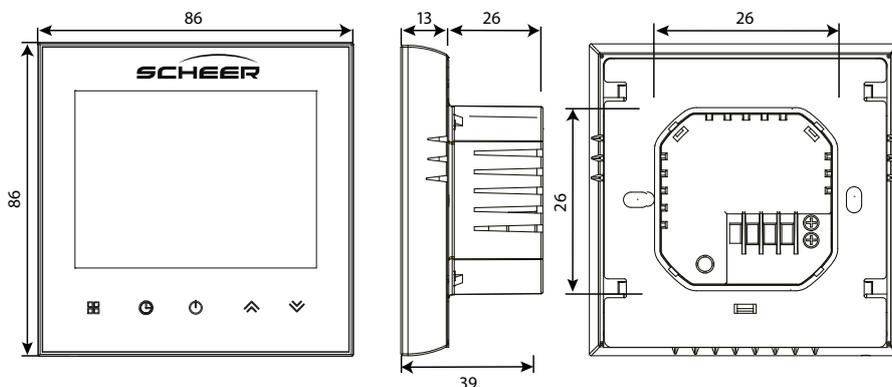
About the thermostat

The thermostat has been developed to control industrial, commercial,, civil or domestic hot water heating systems, such as radiations or underfloor heating.

functions

- Networking through Modbus and WLAN
- 0.5 °C given
- Short-term memory in the event of a power failure
- 5 + 1 + 1 weekly program with 6 periods comprehensive time program
- Controllable by Amazon Echo, Google Home, Tmall Genie

Dimensions



Technical Data

Power Supply	95~240VAC, 50~60Hz	Timing error	<1%
Current Load max	5A	Shell Material	PC + ABS (fire proof)
Sensor	NTC3950, 10k	Installation Box	86x86mm square/ Europ. 60mm round
Accuracy	±0,5°C	Wire Terminals	2*1,5mm ² / 1x2,5mm ²
Set Temp. Range:	5-35°C	Protection Class	IP20
Display Temp. Range	5~99°C	Storage Temp	-5~45°C
Ambient Temp.:	0~45°C	Power Consumption	<1,5W
Ambient Humidity:	5~95% RH (not condensing)		

Installation

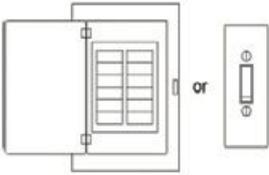
NOTICE

Before starting the installation, make sure that the power supply and all other connecting cables are voltage-free!

Your thermostat is suitable for installation inside a standard 86 mm junction box or a European 60 mm junction box.

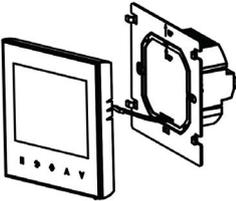
Step 1

Keep power off.



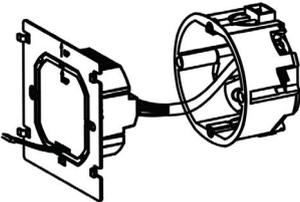
Step 2

Remove the mounting Plate by rotating the LCD part.



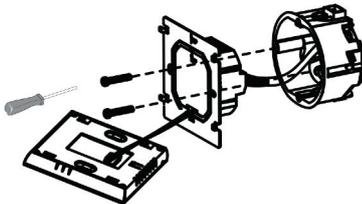
Step 3

Connect the power supply to the corresponding terminals of the thermostat (L - phase; N - neutral); connect the switching contacts to terminals 1 and 2.



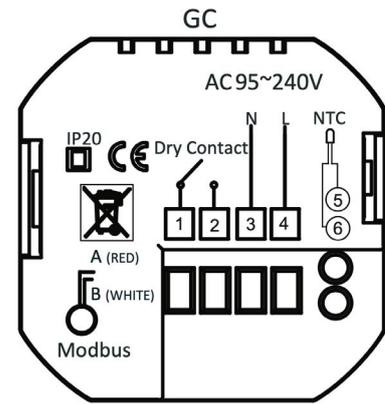
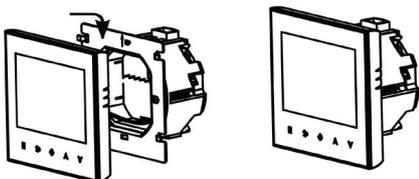
Step 4

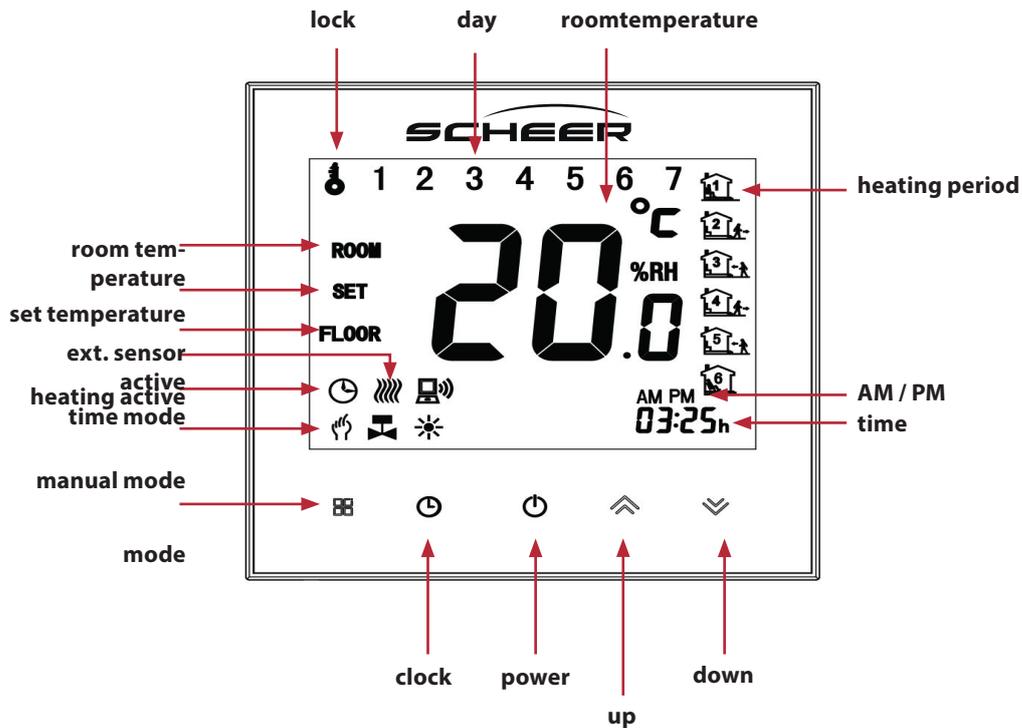
Fix the mounting plate to the wall using the screws supplied.



Step 5

Attach the LCD part of the thermostat to the mounting plate by rotating it, Installation complete.





operation

- Power on/off:** Press to turn the thermostat on/off.
- Manual/ Time program mode:** Touch to change between manual mode and program mode. In manual mode, will show in the bottom left of the screen. In programmable mode, the period icon will show on the right side.
- Setting Temperature:** In the time program mode the temperature can only be controlled by the set heating program. In the manual mode, press to set the desired temperature.
- Adjusting/Setting the Clock:** Touch the to set minute, hour and weekday (1 = Monday, 2 = Tuesday etc.) by using the arrows. Press once more to confirm and exit.
- Locking your Thermostat:** Press and hold the for 5 seconds to lock/unlock your thermostat. In item 3 of the device parameters, you can select full lock (included).
- Adjusting/setting the Program Schedules:** When Wi-Fi connection is made, your thermostat will automatically accept the program schedule made via the APP on your device (see below for detailed instructions) To set the program schedules through your thermostat (NOT via your smartphone/tablet) simply follow the instructions as below:

Please note: Setting the programme schedule through your thermostat can only be carried out if there is no Wi-Fi connection between your thermostat and smartphone/tablet
- Setting / adapting the time program on the thermostat:** The time program can only be set on the device if there is no active WLAN connection and time program mode is activated. Touch to change between manual/ time program mode. In program mode, touch and hold the icon until the weekday schedule settings appear (1 2 3 4 5 will show along the top of the screen). Use the arrows to adjust the „on“ time.

Press the icon and use the arrows to set the off time (2nd period).

Press the icon and use the arrows to set the temp. Repeat this process for periods 3 - 6.

Press the icon once more to enter the Saturday schedule settings (6 will show along the top of the screen). Repeat the above process to set the periods as well as temp. as well as Sunday schedule. Press once more to confirm and exit.

Default settings for program schedule

heating periode	weekday (Monday-Friday) (1 2 3 4 5)		Weekend (Saturday) 6		Weekend (Sunday) 7	
	time	temperature	time	temperatur	time	temperatur
period 1	06:00 AM	20°C	06:00 AM	20°C	06:00 AM	20°C
period 2	08:00 AM	15°C	08:00 AM	20°C	08:00 AM	20°C
period 3	11:30 AM	15°C	11:30 AM	20°C	11:30 AM	20°C
period 4	01:30 PM	15°C	01:30 PM	20°C	01:30 PM	20°C
period 5	05:00 PM	22°C	05:00 PM	20°C	05:00 PM	20°C
period 6	10:00 PM	15°C	10:00 PM	15°C	10:00 PM	15°C

A separate schedule may be set for weekdays (Mon - Fri) and for weekends (Sat or Sun).

Change the system settings

Turn off the device.

Press  and  at the same time for 5 seconds to get to the system settings. Then press  to cycle through the available settings and use   to change the parameter values. All changes will be saved automatically.

code	function	setting an options	default
1	temperature compensation	-7 bis +9°C {for internal sensor}	-1
2	deadzone temperature	1-5°C	1
3	button locking	00: all buttons locked except on/off 01: all buttons locked	01
4	sensor types	In: Internal Sensor (to control the temp.) Ou: External Sensor (to control the temp.) AL: Internal/ External Sensor (Internal sensor to control the temp., external sensor to limit the floor temp.)	AL
5	min. set temperature	5-15°C	05
6	max. set temperature	15-45 °C	35
7	display mode	00: display of set temp. and room temp. 01: display of only set temp.	00
8	low temperature protection setting	0-10°C	00
9	high temperature protection setting	25-70°C	45
A	economy mode	00: non-energy saving mode 01: energy saving mode	0
B	economy temprature	0-30°C	20
C	standby brightness	3-99	20

Connecting the Room Thermostat to Wi-Fi

Before using your Wi-Fi thermostat for the first time, you must configure the Wi-Fi connection and settings on your smartphone. This will enable communication between your thermostat and other connected devices.

Step 1: Download the „Smart Life“ App

Search for „Smart Life“ in the Apple App Store or Google Play Store, or scan the QR code shown above. Install the app and register for an account.



iOS



Android

Step 2: Establish the Connection

Bluetooth Network Connection

Activate Bluetooth on your smartphone and put the thermostat into Wi-Fi pairing mode.

To do this, turn off the thermostat and press  and hold the Wi-Fi button until the Wi-Fi symbol starts flashing.

Ensure that Bluetooth is enabled on your smartphone.

1

After registration, you will see the overview screen. Click on the „+“ symbol at the top right corner.



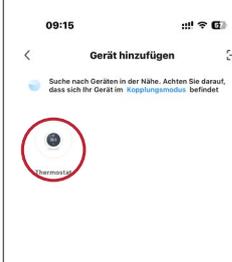
2

Click on „Add Device“



3

Your smartphone should detect the „Thermostat“.



4

Please enter the Wi-Fi password.



5

Device is being added.

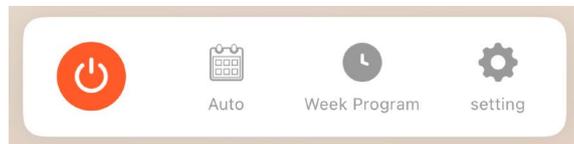


6

Device added successfully. Press „Finish“.



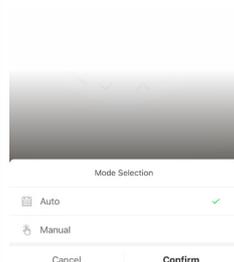
Your room thermostat is now connected to your smartphone, and you can start using its wide range of features.



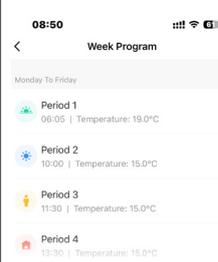
You can use this switch to turn the room thermostat on and off.



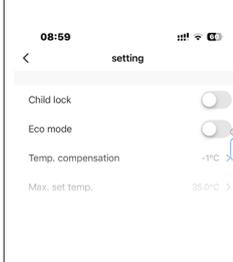
You can use this switch to toggle between manual mode and time program mode.



In this menu, you can set your time programs (days, periods, etc.).



Through this menu, you can access the settings.



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