SCHEER Room Thermostat
12–50V including Wi-Fi connection

Installation and User Guide

SCHEER Room Thermostat 12–50V including Wi-Fi connection

SCHEER Room Thermostat	Item No.
incl. Wi-Fi connection	0170107

Scope of Delivery:
Thermostat
External sensor
*Screws (2x)*

About Your Thermostat

- The SCHEER Room Thermostat 12–50V gives you the ability to control radiators, underfloor heating systems, or fan heaters. The integrated battery ensures that all data is retained even in the event of a power outage.

- It features both a manual and an automatic mode, allowing you to set custom schedules for weekdays, Saturdays, and Sundays.

- The thermostat can be operated either via the touch display or through a smartphone app. To do so, the thermostat connects to the internet using its built-in Wi-Fi interface, enabling you to monitor and adjust the room temperature remotely.

- A temperature sensor integrated into the device measures the room temperature. Additionally, an external sensor (included) can be used to measure the room temperature from up to 2.5 meters away.

Technical Specifications	
Power supply	12–50 V DC
Maximum current load	5 A
Sensor	NTC3950, 10K
Adjustable temperature range	5–35 °C
Power consumption	< 1,5 W
Housing material	PC + ABS (feuerfest)
Cable connections	2 × 1,5 mm² oder 1 × 2,5 mm²
Protection class	IP20
Buttons	Kapazitive Touch-Tasten

Dimensions (mm)

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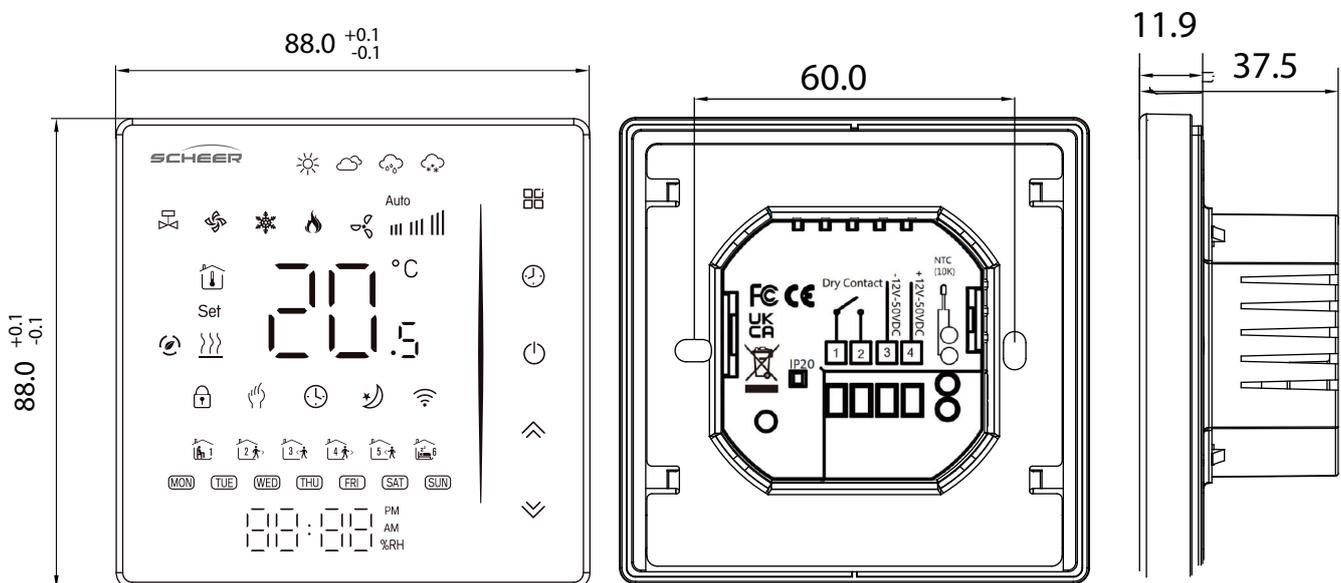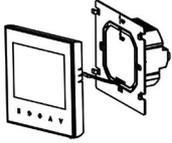
Wiring Instructions

Please read this manual carefully, as improper handling may cause damage.
Installation should be carried out by trained professionals.

WARNING: Risk of electric shock or device damage. Disconnect the power supply before installation.
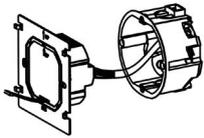
Installation

Step 1
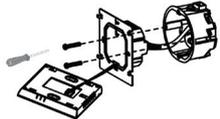Disconnect all power supply lines to ensure they are voltage-free.

Step 2
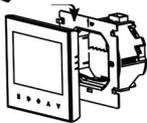Remove the mounting plate by sliding the LCD unit upwards.

Step 3
Connect the power supply lines to the corresponding terminals of the thermostat (L – Live; N – Neutral). Connect the switching contacts to terminals 1 and 2.
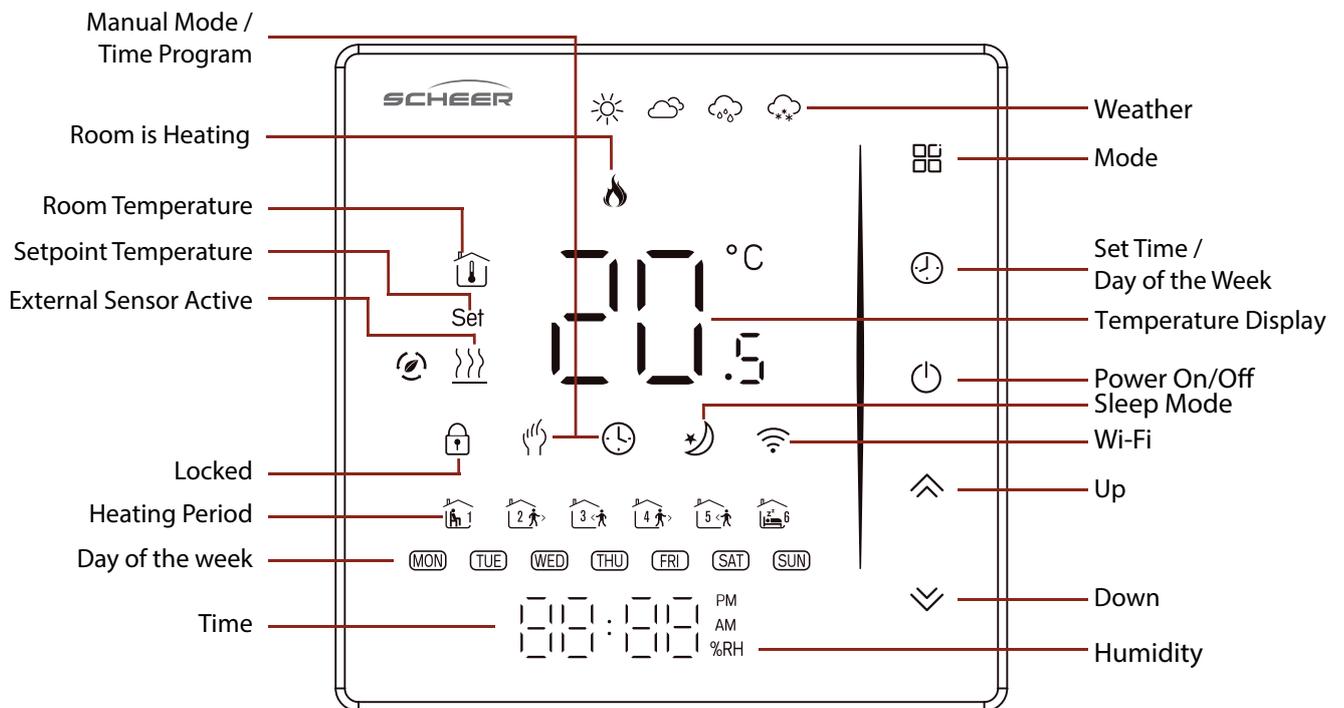
Step 4
Attach the mounting plate to the wall using the supplied screws.

Step 5
Attach the LCD unit of the thermostat to the mounting plate by sliding it downwards.
The installation is now complete.

Bedienung

Manual Mode / Time Program

Room is Heating

Room Temperature

Setpoint Temperature

External Sensor Active

Locked

Heating Period

Day of the week

Time

SCHEER

°C

Set

MON TUE WED THU FRI SAT SUN

PM
AM
%RH

Weather

Mode

Set Time / Day of the Week

Temperature Display

Power On/Off
Sleep Mode

Wi-Fi

Up

Down

Humidity

SCHEER 3

Note: Weather and humidity data will appear within one hour after the device's first internet connection. Afterwards, weather data is synchronized hourly. When the device is switched on, press the ⌃ ⌄ buttons simultaneously to display humidity and the set temperature.

1. **Power On/Off:** Press the power button ⏻ to turn the thermostat on / off.
2. **Manual / Program Mode:** Touch the mode button ⊞ to switch between manual mode and program mode.
   In manual mode, the „hand" icon is shown on the display. In programmable mode, the „calendar" icon appears.
3. **Setting the Temperature:** In manual mode, the desired room temperature can be set using the ⌃ and ⌄ buttons.
   In program mode, the temperature is determined by the set schedule and cannot be manually adjusted.
4. **Setting the Time / Day of the Week:** Touch the clock button ⏲ to cycle between minutes, hours, and weekday settings.
   Use ⌃ ⌄ to adjust the values. Press the clock button ⏲ again to confirm the selection.
5. **Locking the Thermostat:** Hold the ⌃ ⌄ buttons simultaneously for five seconds to lock or unlock the thermostat.
6. **Setting / Adjusting the Program via App:** When connected to Wi-Fi, the thermostat automatically adopts the schedule set via the app (see instructions below).
   After configuring the schedule via the app, the thermostat must be manually switched out of the time-setting mode.
7. **Setting / Adjusting the Program on the Thermostat:** It is only possible to set the program directly on the thermostat when no Wi-Fi connection is active. Touch the mode button ⊞, to switch between manual mode and program mode.
   In program mode, press and hold the clock button ⏲ until the weekday setting (1 2 3 4 5) appears on the screen.
   Press the clock button ⏲ four times; „MON TUE WED TH FRI" and the „heating period" symbol will light up, and the hour display will blink.
8. Set the start time for the first heating period by pressing ⌃ ⌄.
   Press the clock button ⏲ and then ⌃ ⌄ again to set the desired temperature for the first heating period.
   Repeat these steps for all periods and days as needed.
9. **External Sensor Temperature Reading:** Hold the ⌃ button for five seconds to display the external sensor's temperature.
   If no external sensor is connected, the thermostat displays „err." Note: Do not use unauthorized third-party sensors.
10. **System Settings:** Press and hold the mode ⊞ and clock buttons ⏲ simultaneously for 5 seconds to enter system settings.
    Then press the mode button ⊞ to cycle through the available settings and use ⌃ and ⌄ to change parameters.
    All changes are saved automatically.

Code	Funktion	Einstellung und Option	Standard
1	Temperature Compensation	-9 bis +9°C (for internal sensor)	-3
2	Temperature Deadband	1-5°C	1
3	Key Lock	00: All keys locked except On/Off 01: All keys locked	01
4	Sensor Types	In: Internal sensor (for temperature control) Ou: External sensor (for temperature control) AL: Internal/External sensor (internal sensor for room temperature control, external sensor for floor overheating protection)	AL
5	Minimum Set Temperature	5-15°C	05
6	Maximum Set Temperature	15-45°C	35
7	Display Mode	00: Show set temperature and room temperature 01: Show only set temperature	00
8	Frost Protection Temperature	0-10°C	00
9	Maximum Adjustable Temperature	25-70°C	45
A	Eco Mode	00: Eco mode disabled 01: Eco mode enabled	0
B	Maximum Temperature for Eco Mode	0-30 °C	20
C	Standby Brightness (Daytime 6:00–22:00)	0-7	1
D	Standby Brightness (Nighttime 22:00–6:00)	0-8	1
E	Reset	00: No factory reset 01: Reset to factory settings	00
F	Firmware Version		U3

(Columns C and D share the note: "(When set to 0, the display turns off completely after 10 seconds of inactivity.)")

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.
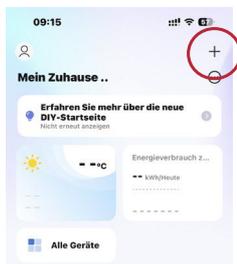
2
Click on **„Add Device"**

3
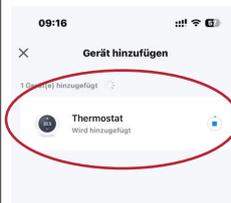Your smartphone should detect the **„Thermostat"**.
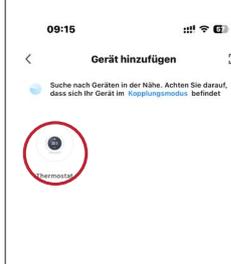
4
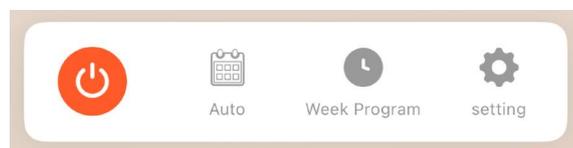Please enter the Wi-Fi password.

5
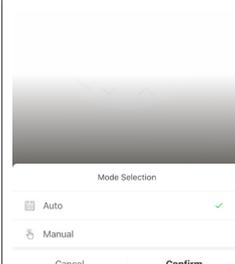Device is being added.

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.

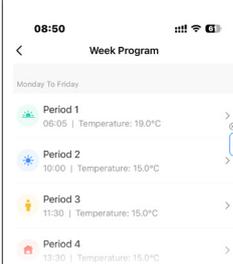|			
⏻	📅 Auto	🕐 Week Program	⚙ setting

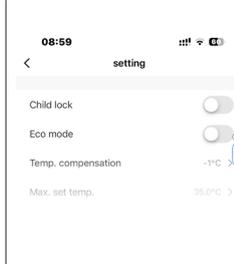You can use this switch to turn the room thermostat on and off.

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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