

# GB

## Instruction Manual - Thermostate WSF - 66



THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND  
RETAINED FOR FUTURE REFERENCE.  
BE SURE TO OBSERVE ALL LABELS AND WARNINGS ON  
THE APPLIANCE.

Edition:07/26  
Nr.: MAG-000526

Subject to errors and technical amendments. Dimensions without guarantee!

## Introduction:

The WSF-66 is an intuitive programmable thermostat used to control electrical floor heating system. It will keep home at comfortable temp whilst minimizing energy use. Install the app on your smart phone to control heating system remotely with the WiFi thermostat.

Read this manual carefully and keep it with other warranty documents. Connection must be carried out by a qualified installer in accordance with local regulations. Before installing or disassembling the thermostat and display, always switch off the electricity in the meter cupboard.

## Technical Specifications:

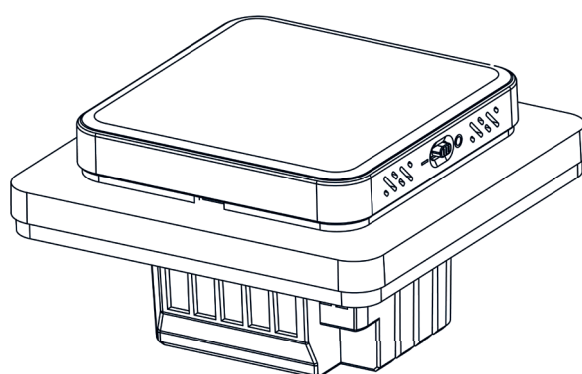
- *Operating voltage:* 85-265 V ~50/60 Hz
- *Power consumption in standby mode:* <0,3 W
- *Relay output:* 16 A, max. 20 A
- *Wifi:* 2.4 G
- *Enclosure protection rating:* IP 31
- *Protection class:* II
- *Sensor type NTC:* 10 kOhm
- *CE und RoHS*



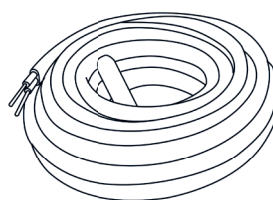
## Model:

|                |             |
|----------------|-------------|
| WSF-66 white   | 750 000 811 |
| WSF-66 B black | 750 000 812 |

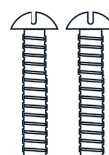
## Included in the package:



Thermostat



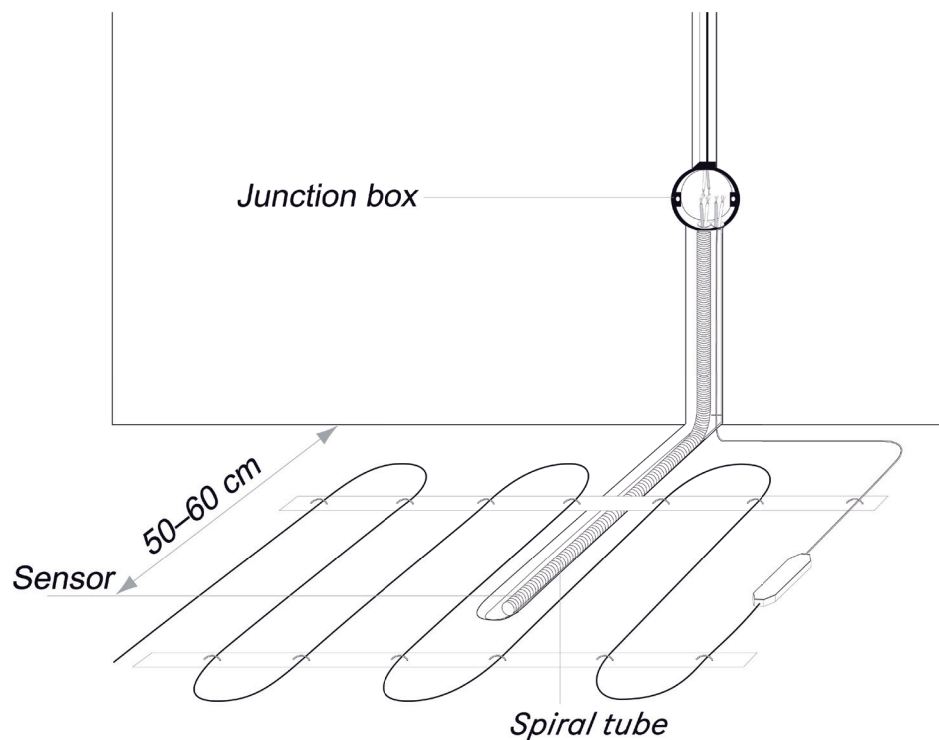
Floor temperature sensor



Mounting screw

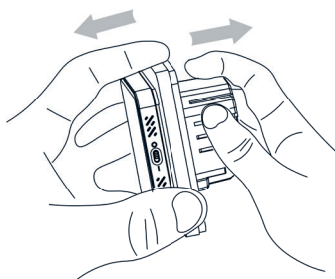
## Installation:

WSF-66 should not be placed so it is exposed to direct sunlight and draughts because these can affect the thermostat functions. Take into account the thermostat IP class when fitting. The floor sensor is fitted in a spiral tube placed at the height of the floor surface. The end of the hose must be sealed in order to simplify replacement of the floor sensor. Fit the thermostat in a 65 mm junction box. Ensure the box is flush with the wall or alternatively the tiles.

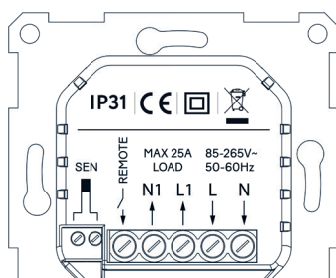


### Installation:

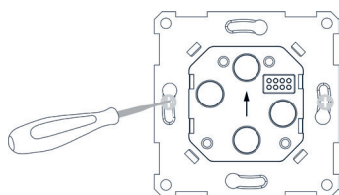
- The corrugated tube, containing the floor temperature sensor, is positioned at the same level as the heating cable, in the centre of the heating loops,
- The other end of the tube with the installation wire of the temperature sensor inside is placed in a groove in the floor and led to the place of installation of the temperature controller or junction box.
- Excess tubing and installation wire are cut to size.



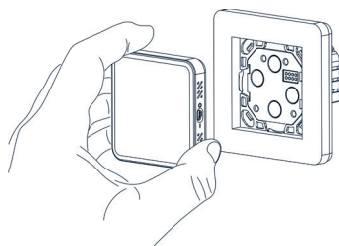
1. Hold the middle frame and back cover with both hands and pull them apart. The magnets will detach.



2. Connect according to the instructions on the back of the thermostat.

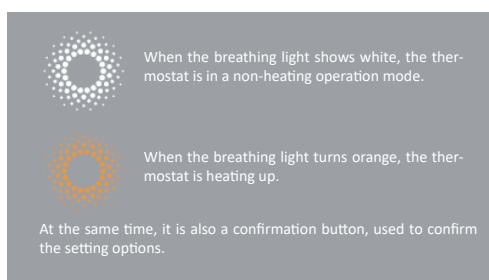
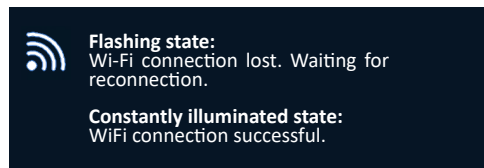
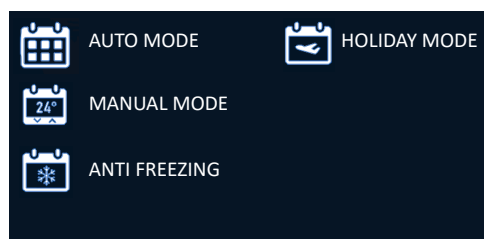
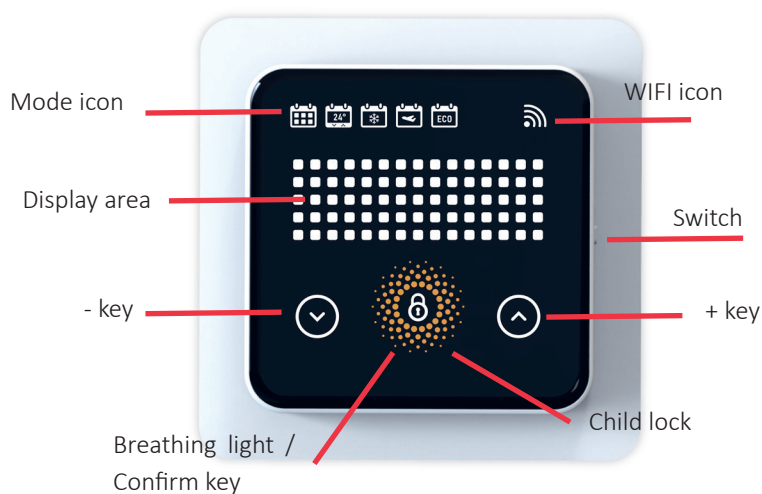


3. Fit the thermostat in the box, with the arrow pointing upwards. Insert the thermostat in the junction box and fasten with existing screws.



4. After installing the middle frame, simply place the display unit close to it. The magnetic force will automatically attract and fix it.

## Thermostat symbols



### Note:

When the button is touched, the buzzer will emit a slight feedback sound, indicating that the touch is valid.

### Child lock:

Press the DOWN and CONFIRM keys simultaneously for 3s.

## WIFI connection with TUYA App

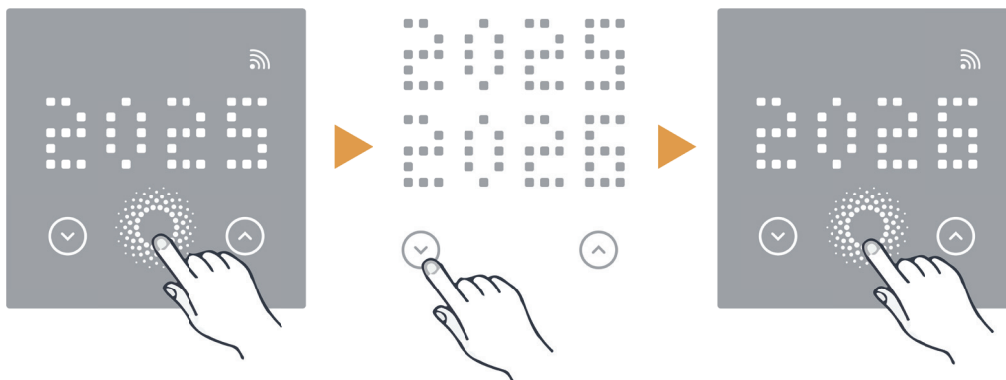
Please download the latest TUYA app from your app store and follow the instructions in the app.

## Function & Operation

### 1) Startup wizard

Make sure that the on/off switch on the right side of the thermostat is in the correct position. When the thermostat has been installed and turned on for the first time, or after you have performed a factory reset, the thermostat will run a start-up wizard. The wizard guides you through a basic setup process to ensure that you have the right settings. The start-up wizard takes you through the following steps:

|    |             |                                                                                          |
|----|-------------|------------------------------------------------------------------------------------------|
| TI | TIME:       | Year-Month-Day-Time-Summer time                                                          |
| UN | UNIT:       | Display °C/°F                                                                            |
| BR | BRIGHTNESS: | 0-10                                                                                     |
| SE | SENSOR:     | Room/ <b>Floor</b> /R+F- <b>10K</b> /12K/15K (The floor sensor and 10K must be set here) |



### 2) Mode selection

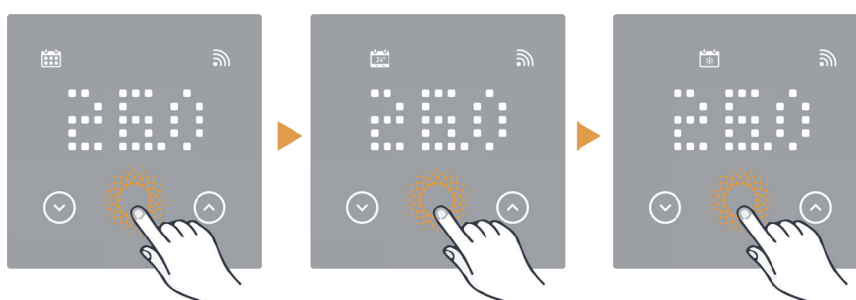
**SC SCHEDULE MODE:** Thermostat follows the set program. This mode is run by default. Under this mode, you can also set a temperature that you want to temporarily run.

**MA MANUAL MODE:** In Manual Mode, The thermostat will hold the set temp until you cancel this mode.

**FR FROST PROTECTION:** Thermostat keeps the temperature at a minimum of 7 degrees.

**HO HOLIDAY MODE:** Thermostat is in lowering mode and follows the program again after the number of set days.

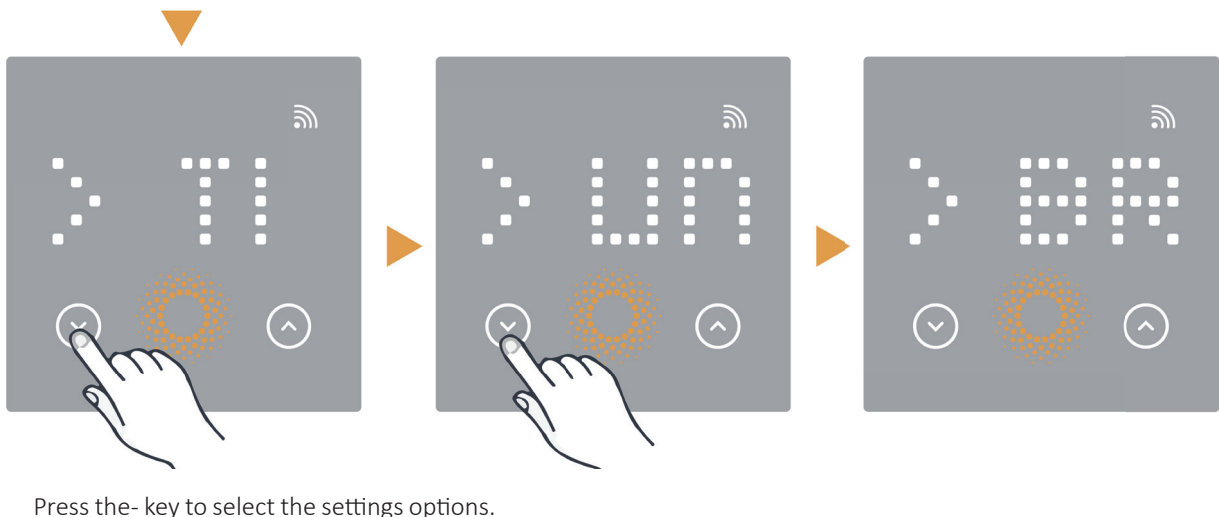
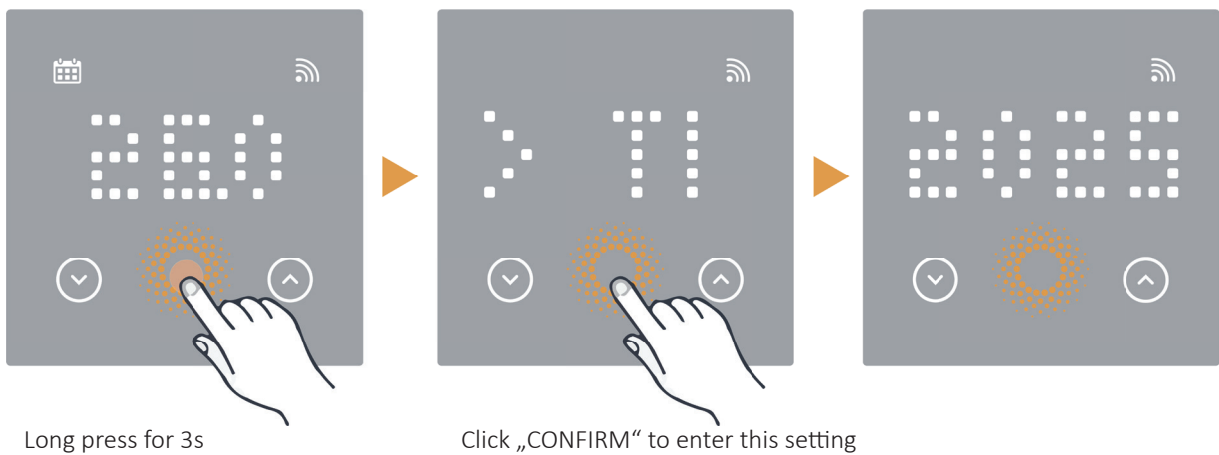
**Tap the confirmation button to easily switch modes.**



### 3) Settings

Long press the confirmation button for 3 seconds to enter the settings. The setting order is:

- **TI TIME:** The time can be reset.
- **UN UNIT:** Adjust the temperature unit.
- **BR BRIGHTNESS:** Adjust the screen display brightness.
- **SE SENSOR:** Select the temperature control sensor and its model./ **FL** Floorsensor
- **EN ENERGY CONSUMPTION:** Check the monthly energy consumption.
- **SC SCHEDULE:** Edit the time and temp. for the heating week plan.
- **AD ADVANCED:** Some important settings options require consultation with the manufacturer before any modifications are made, as they should be handled with caution.



When this symbol



Press the- key to select the settings options.  
to exit the settings.

4) Programming

Default Parameters

| Day     | Period 1         | Period 2         |
|---------|------------------|------------------|
| Mon-Fri | 08:30-10:00 23°C | 17:00-22:00 23°C |
| Sat/Sun | 08:30-10:00 23°C | 17:00-22:00 23°C |

Schedule:

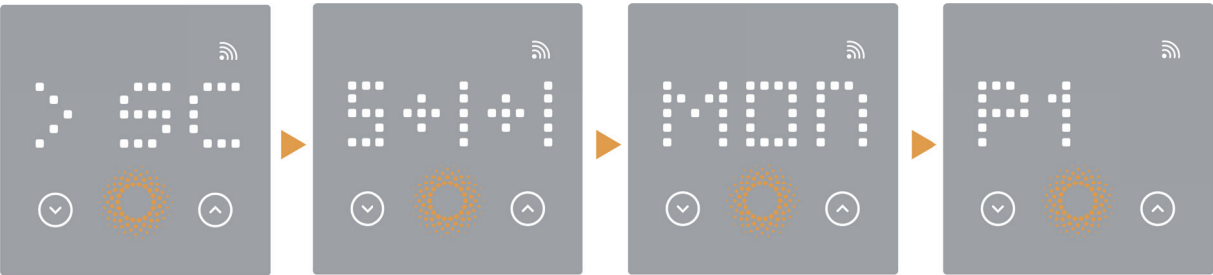
Select a weekly schedule for the Edit. There are 3 options:

**7D:** each day from Mon to Sun can be set individually.

**5+1+1:** 5 days from Mon to Fri have the same events, Sat and Sun can be set individually.

**24H:** 7 days from Mon to Sun have the same events.

Long press the confirmation button for 3 s to enter the settings, Select SCHEDULE

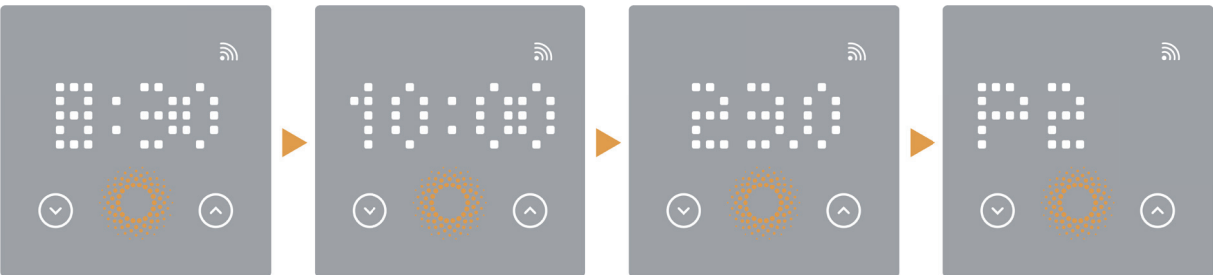


Schedule

Select Options

Select day

Select event



Set the start time and the end time

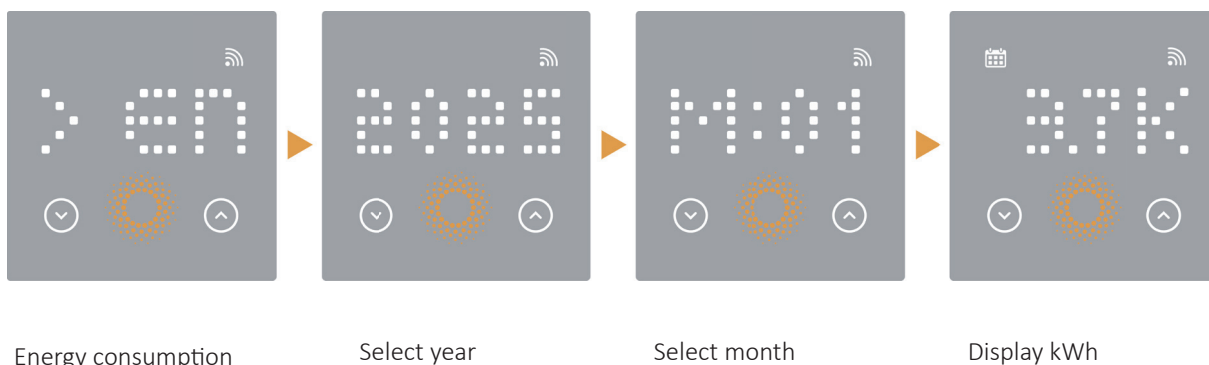
Set temp.

Select nexr event

## 5) Energy consumption

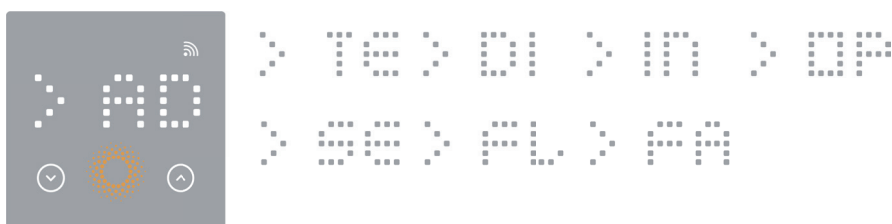
The device end only supports viewing the monthly energy consumption within the last two years. More detailed energy consumption can be viewed through the APP.

Long press the confirmation button for 3 s to enter the settings, Select ENERGY CONSUMPTION.



## 6) Advanced setting

Long press the confirmation button for 3 s to enter the settings, Select ADVANCED. The order is as follows:



Advanced

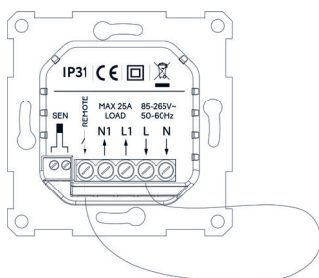
| No.         | Settings           | Default | Range                  |
|-------------|--------------------|---------|------------------------|
| 1 <b>TE</b> | Temp. Compensation | 0°C     | -5~5°C                 |
| 2 <b>DI</b> | Difference         | 1°C     | 0,5~3°C                |
| 3 <b>IN</b> | Intelligence       | ON      | ON/OFF                 |
| 4 <b>OP</b> | Open Window        | OFF     | ON/OFF                 |
| 5 <b>SE</b> | Setback            | 5°C     | 2-8°C                  |
| 6 <b>FL</b> | Floor Protection   | 30°C    | 20-50°C                |
| 7 <b>ST</b> | Sensor Type        | 10K     | <b>10K</b> / 12K / 15K |
| 8 <b>FA</b> | Factory reset      | NO      | NO/YES                 |

The following is the explanation of these settings:

1. **TE - Temp.Compensation:** Calibrate the temp detected by temperature control sensor.
2. **DI - Difference:** The deviation is 1°C. The thermostat start to work when the actual temp is 1°C lower than set temp and stop to work when the actual temp and stop to work when the actual temp.
3. **IN - Intelligence:** After several days of installation and use, Intelligence function ensures that the required temp has already been reached when the next event begins.
4. **OP - Open window:** Detection of rapid drop in temperature. Stops when temperature is stable.To save unnecessary energy consumption.
5. **SE - Setback :** This parameter refers to the value on which the temperature will drop after the previous heating period. For example, set it to 5°C,08:00-10:30 23°C,Then the temperature will be automatically maintained to 18° after 10:30.
6. **FL - Floor protection:** When both floor and room sensors are used simultaneously, this temperature is employed to limit the maximum temperature of the floor, ensuring that high temperatures do not damage the floor.
7. **ST - Sensor type:** Select the type of floor sensor. We offer three types for your choice.
8. **FA - Factory Reset:** All parameters are restored to default values. .

## 7) Centralized control

This function is mainly used for the „Home Automation Connection“ (Hotel).Connect Remote and L1 together. The thermostat will automatically run the weekly program and maintain a low temperature. The equipment will not be accessible for touch operation.



## 8) Troubleshooting

Troubleshooting must be carried out by a qualified electrician.





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