







## 1. Configuration Menu


The configuration menu allows you to set certain operating parameters.

Press power button  to turn thermostat off, hold menu button  for 5 seconds to enter the configuration menu. The display will show the first item in the configuration menu.

Press  button to shift to the next item.

Use  or  to change the parameter. Press power button  to exit configuration menu. Press power button again to turn thermostat on.

The thermostat will exit the configuration menu if no action is taken within 8 seconds,.

**Restore factory default setting:** In the configuration menu, push menu button  for 5 seconds. Display will show “DEF” blinking 3 times and returns to Menu parameter 1.

**BEFORE USING YOUR THERMOSTAT FOR THE FIRST TIME**, check that the correct sensor has been selected . For ceiling heating application, always select Internal air sensor *in*. (see Item 6)






This configuration menu chart summarizes the parameters available:

Item	Displayed (factory default)	Press ▲ or ▼ to change	Parameter Descriptions
1	CL ( 0.0 )	-6.0 --- +6.0	Select temperature display adjustment higher or lower – this recalibrates the thermostat
2	RH (35°C)	20°C—70°C 20°C—50°C (WiFi stat)	Select maximum room temperature
3	RL (5°C)	5°C—20°C	Select minimum room temperature
4	FL (40°C)	20°C—70°C 20°C—50°C (WiFi stat)	Select maximum floor temperature






5	FL (5°C)	5°C—20°C	Select minimum floor temperature
6	SEN (RL)	RL/in/OU	RL: Air sensor control with floor limit in: Internal air sensor engaged – room temperature mode OU: External floor sensor engaged – floor temperature mode
7	bl (2)	1/2/3	1.Backlight is off 2. Press any button for 30 seconds backlighting 3.Backlight permanently on
8	PSI (0)	7/0	7: 7 day / 6 period programmable mode 0: Non programmable (manual mode)
9	ES (OFF)	On/OFF	OFF Intelligent recovery function off On Intelligent recovery function on
10	Rn(OFF)	On/OFF	On: Anti-freezing function on OFF: Anti-freezing function off
11	• (H) Ld(HH) (with WIFI)	L/H/HH	HH: load requirement 12-16Amp H: load requirement 8-11Amp L: load requirement 0-7Amp
12	PLC (H)	H/L	H: Select when 100K Sensor is installed L: Select when 10K Sensor is installed

## 1. Set current day and time

### DC-2.





1. **Turn on the thermostat**, Press  to enter the time setting.
  2. Press  to scroll between Minutes, Hours, Day.
  3. Press or hold either  or  until you reach the correct setting.
  4. Press  to exit.
- After 5 seconds of inactivity, the thermostat will exit the setting menu.


### DC-2WiFi

1. **Turn on the thermostat** , press  to enter the time setting.
2. Press  to scroll between Year, Month, Day, Hour & Minute.
3. Press or hold either  or  to change the setting.
4. Press  to exit.


After 5 seconds of inactivity, the thermostat will exit the setting menu.

### 3. Manual over-ride

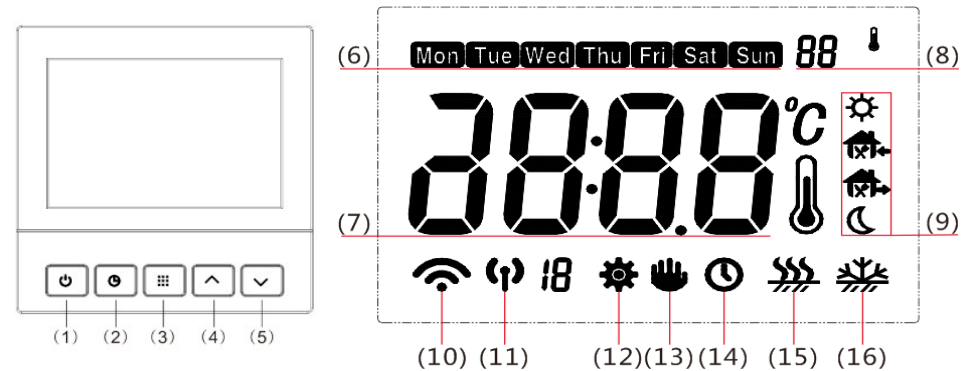
When the thermostat is operating in programming mode, to temporarily increase or decrease the temperature, press  or  until the desired temperature is displayed. The  icon will appear on the screen, the heating icon  may also be displayed. This temperature will be maintained until the next heating period (1 – 6, see program setting).

To cancel before the next heating period, press the power button  twice.

### 4. Full Manual mode

Following instructions to enter the configuration menu, scroll to item 8, select  & exit. Now use the up & down arrows to set the desired temperature. The thermostat will turn the heating on and off to maintain this temperature. Please note, changing the temperature setting will not immediately change the room or floor temperature, this could take anything from 1 hour to 24 hours to take effect, depending on the specific installation and individual circumstances.

## KEYBOARD & DISPLAY DESCRIPTION

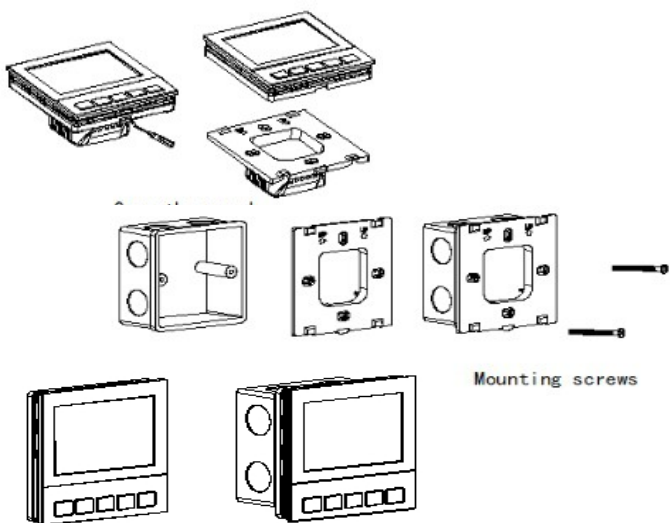


- (1) Power/OK button : Press to turn the thermostat on/off. And to exit configuration menu
- (2) Time button: When thermostat is on, press time button once to set the time
- (3) Menu button: When Thermostat is off Hold for 5 seconds to enter configuration menu.
- (4) Raise temperature setting
- (5) Lower temperature setting
- (6) Days of the week
- (7) Current Temperature Reading of sensor ie room or floor temperature
- (8) Shows current sensor setting: air, floor or air with floor limit
- (9) Shows current programming period ie morning 1 and 2, afternoon 3 and 4 or evening 5 and 6
- (10) Shows WIFI in remote mode \*WiFi model only
- (11) Shows WIFI in hot mode \*WiFi model only
- (12) configuration menu icon
- (13) Shows when manual over-ride is engaged
- (14) Shows when thermostat is in program menu mode
- (15) Shows that the heating is on
- (16) Shows when thermostat is in antifreeze mode

## HOW TO INSTALL THE THERMOSTAT:

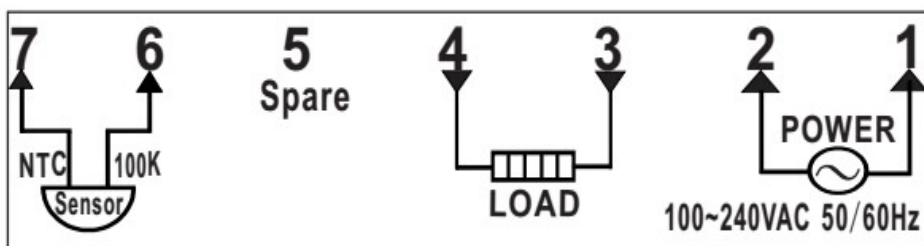
*Read all of the information in this manual before installing this thermostat*

Remove front face by inserting a flat screwdriver into the slot as shown and gently turning. Attach base to the back box using mounting screws. Replace thermostat face by gently pushing it back into place until it clicks.



Install the panel

Connect according to this wiring diagram:



## 5. Program setting

Your thermostat has been pre-set in the factory with the following time & temperature settings:

		Morning period 1	Morning period 2	Afternoon period 3	Afternoon period 4	Evening period 5	Evening period 6
	Time	6:00	8:00	12:00	14:00	18: 00	22:00
	Temp	21°C	16.5°C	21°C	16.5°C	21°C	16.5°C
Personal settings	Time						
	Temp						

To change these settings:


1. **Turn thermostat on** and press for 5 seconds.
2. The screen flashes to show current selection in each category. Press once to switch between day, time and temperature. Use or to change the day, time and temperature. Each day must be set individually.
3. Scrolling through from the beginning, by pressing once each time, you will have Monday: then period 1 time: then period 1 temperature: then period 2 time: then period 2 temperature, etc. After period 6 temperature, it will move to Tuesday.
3. When the day is flashing, you can use the and buttons to switch between days of the week. Each day starts at period 1 and moves through to period 6.
4. Press to save and exit.

## 6. Frost protection mode (configuration menu item 10)

When anti-freezing function is set to , the thermostat will maintain a temperature of 5 °C

**7. WiFi models only:**

**Download the app from the App Store or Google Play Store: Smart-E thermostat**


Select AP mode by pressing the power button for 5 seconds. The icon  will appear on the screen.

Register an account and wait for an email from **scinan service cent**. This may take 24 hours. Click on the link to verify your email address. Open the App on your phone and log-in.



Click on the + symbol top right. Click on 'Find device' and select the thermostat from the list. Enter the network and password information in the configuration and click 'CONFIG'

To rename the thermostat (bedroom, living room, etc) press and hold on the name for 3 seconds.

There is no limit to the number of thermostats you can connect to the app.

Switch to remote mode by pressing the power button for 5 seconds. The symbol  will appear on the screen. The thermostat can be used in either AP or remote mode, it cannot support both at the same time.

**TROUBLESHOOTING:**

Display	Error condition	Result	Action
Err.1	Internal sensor short circuit	Shuts down all heating output.	Sensor is damaged – replace thermostat
Err.2	Internal sensor open circuit	Shuts down all heating output	Check configuration setting (item 6) is set to 
Err.3	External sensor short circuit	Shuts down all heating output	Sensor is damaged – replace sensor
Err.4	External sensor open circuit	Shuts down all heating output.	Check configuration setting is set to 

User error and deliberate or accidental damage are not covered by 12 month manufacturers' warranty.

Supplied by **ERHS Ltd, 70 Woolmer Way, Bordon, GU35 9QF**  
 Tel: 01420476049 [www.erhs.uk](http://www.erhs.uk) [info@erhs.uk](mailto:info@erhs.uk)

**DC-2 thermostat – User instructions**

Floor heating thermostat compatible with 10K or 100K floor sensor /  
 Room thermostat with built-in air sensor

16 Amp Digital programmable thermostat compatible with  
 Eswa floor and ceiling heating

**FEATURES**

- 3.1 inch large screen display
- Permanent user setting retention during power loss
- Programming Periods: 7 individual day programming with 6 periods per day
- Remote control by mobile phone (WiFi version only)

**TECHNICAL SPECIFICATION:**

Power source ..... 100-240VAC 50/60Hz  
 Maximum load electric current.....16A/250VAC  
 Room temperature setting range.....5°C to35°C  
 Floor temperature setting range..... 5°C to 70°C  
 Accuracy..... 0.1°C  
 Working environment temperature.....0°C to 50°C  
 The storage temperature: .....-10°C to 60°C  
 Dimensions.....86mm X 86mm X13mm

**IMPORTANT SAFETY INFORMATION:**

- Read all of the information in this manual before installing this thermostat.
- Always turn off power at the main power source by removing the fuse or switching circuit breaker to the off position before installing, removing, cleaning, or servicing this thermostat.
- All wiring must conform to wiring regulation BSEN 7671.
- Use this thermostat only as described in this manual.