

C16 SIMPLIFIED INSTRUCTIONS



C16 Thermostat

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1 Explanation of symbols



2 Start-up Wizard

Clock



This section allows the day of the week to be changed. The day can be changed by pressing the up or down arrow. When the correct day has been selected press the middle button.



This section allows the hour to be changed. The hour can be changed by pressing the up and down arrow. When the right minutes have been selected press the middle button.



This section will allow the minutes to be changed. The minutes can be changed by pressing the up and down arrow. Press the middle button when the correct minute is selected.

When the thermostat is connected to the Wi-Fi thermostat it will automatically update the day, hour and minutes.

Sensor Selection



00 => Floor Sensor: run by floor sensor(default)

01 => Room-in Sensor: run by built-in room sensor (built into thermostat)

02 => Room-in sensor and floor sensor: run by built-in sensor with floor temp limit.

03 => Room-out sensor: Run by external room sensor

04 => Room-out sensor and floor sensor: Run by external room sensor with floor temp limit

Floor temperature limit

(This only happens if Both sensors are chosen e.g. Room sensor and floor sensor)



Select a temperature limit as this is needed to protect the floor.

Thermostat location

Either select it for home use or office use so it will follow default factory set office or home hours and can be changed.



Home



Office

3 Program

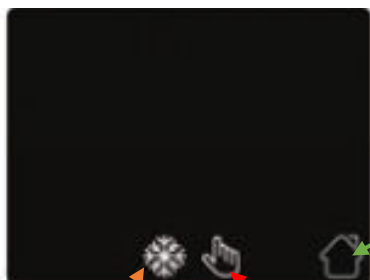
3.1 Temporary Override Temperature:



press the  or  change the temperature and this will act as a temporary boost. This boost will only be on during that time period.

3.2 Mode:

To select a mode, press the 



Default mode: This will follow the program which has been programmed in by yourself or the default program

Anti-frozen mode: During this mode the thermostat will run with a low setting temp. The maximum is 15°C

Manual mode: Will act like a manual thermostat and will heat to the set temperature.

3.3 Key-Lock

This allows the thermostat buttons to be locked and no buttons to be pressed. To lock the thermostat press and hold  and  for 3 seconds to lock the thermostat to unlock the thermostat repeat the same process.

3.4 Menu

On the main page of the thermostat press and hold the  for 3 seconds to enter menu.

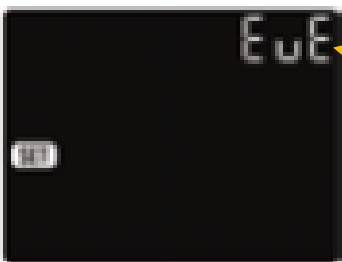
CLK (Clock)



Allows the time and day to be set (See 8.4.1 on how to set the clock)



EVE(Evening)



Allows the event parameters (See 8.4.2 on how to program times and temperature)



rEAD(READ)



It will read heating time of a certain period (Duration of underfloor being on)



SET



Various Settings (Further settings for the thermostat)



1) Sensor Selection (allows the sensor to be changed)



2) Room temperature calibration



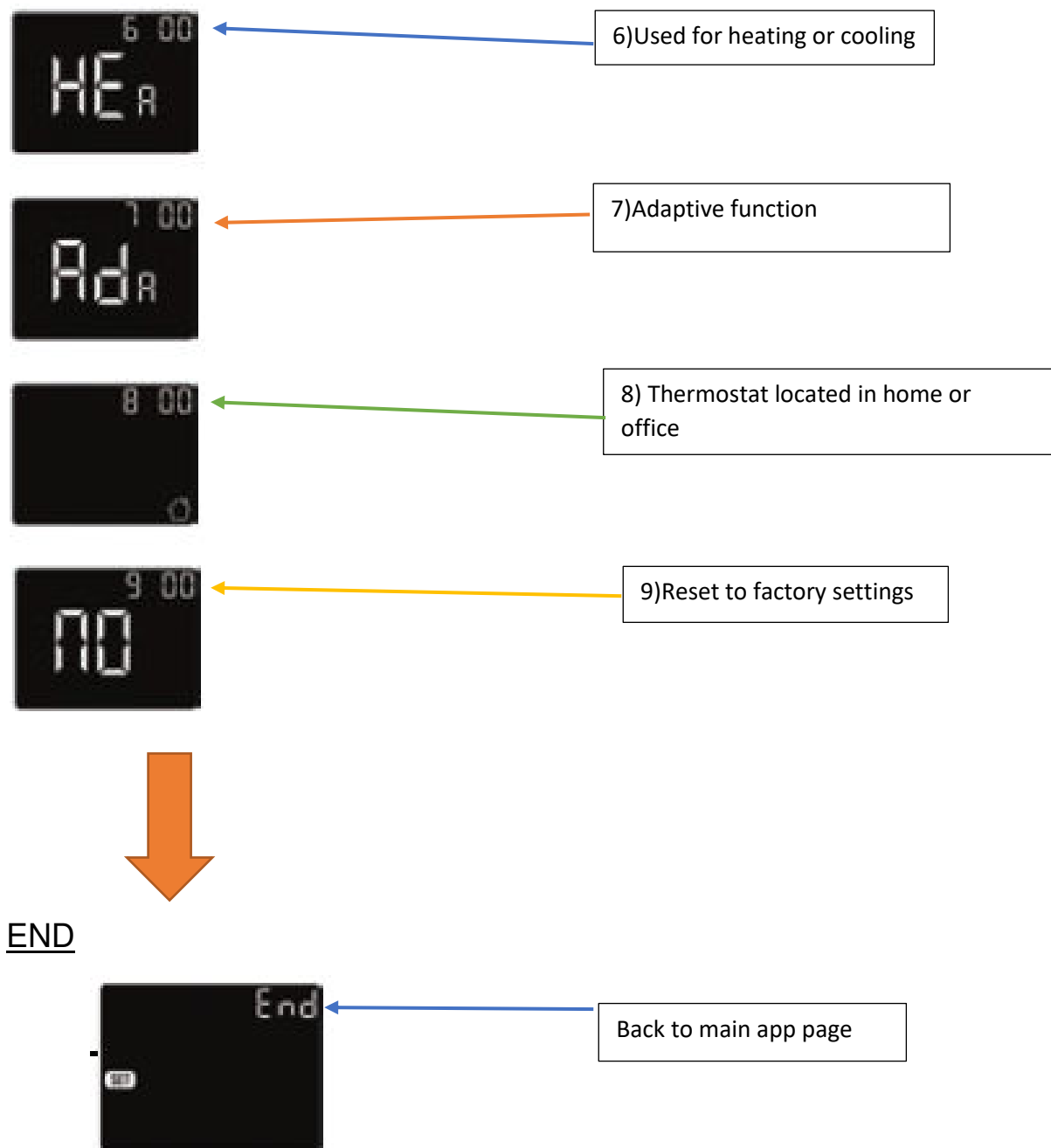
3) Floor temperature Calibration



4) Floor temperature Limit



5) Schedule selection (program days of the week)



3.4.1 Clock

The default interface of the menu is CLK(Clock). The day and time are set in this setting.

- Press the  to enter the setting to set the day
- Press the  or  to change the day

- Press the  to enter the hour setting
- Press the  or  to change the hour
- Press the  to enter the minute setting
- Press the  or  to set the minutes
- Press the  to go back to the main page

3.4.2 Event setting

Default parameters

	Day	 (Wake)	 (Leave)	 (Back)	 (Sleep)
Home	Mon-Fri	06:00 20.0 °C	08:30 15.0 °C	17:00 20.0 °C	23:00 15.0 °C
	Sat/Sun	06:00 20.0 °C	08:30 20.0 °C	17:00 20.0 °C	23:00 15.0 °C
	Day	 (Work)	 (Off work)		
Office	Mon-Fri	07:00 20.0 °C	18:00 15.0 °C		
	Sat/Sun	07:00 15.0 °C	18:00 15.0 °C		

To change the parameter and set Events. In Automatic mode, the thermostat will run according the times set. On the clock interface, press the  or  to select 'EVE'.

- Press the  to allow a day to be selected
- Press  or  to select a day or to end the selection
- Press the  to enter the timing for that day, or to go back to the main page
- Press  or  to select event
- Press  to select the program start time
- Press  or  to set the hour for the program starting time

- Press  to enter the minute's
- Press  or  to set the minute for the program starting time
- Press  to enter the temperature setting
- Press  or  to select a temperature
- Press  to go back the Event menu setting, or to go back to day selection if it's on the last event

3.4.3 Readout

- Work out the time of which the thermostat is on for as a percentage, E.G. the underfloor heating is on 1 day out of 7 days
- On the main page press the  or  to select READ
- Press  to enter readout menu, the interface will show the heating timings from the previous day
- Press  or  to choose 1 day, 30 days (1 month), 365 days (1 year) it will show when the heating is on within certain times.

3.4.4 Advanced Setting

- On the interface press the  or  to select 'SET'
- Press  for advanced settings
- Press  go through the list of settings
- Each setting can then be changed by pressing  or 
- View next page to help identify what page you require to change your thermostat accordingly

No.	Name	Default	Ranges
1	Sensor selection	00: Floor sensor	00: Floor sensor 01: Room-in sensor 02: 01+00 03: Room-out sensor 04: 03+00
2	Room temp calibration	0.0°C	-5.0°C -- 5.0°C
3	Floor temp calibration	0.0°C	-5.0°C -- 5.0°C
4	Floor temp limit	35.0°C	20.0°C -- 50.0°C
5	Schedule	00: 7	00: 7 01: 5+1+1
6	Used for	00: Heating	00: Heating 01: Cooling
7	Adaptive function	00: Adaptive	00: Adaptive 01: No
8	Located in	00: Home	00: Home 01: Office
9	Reset	00: No	00: No 01: Reset

1.Sensor Selection:

There are 5 options:

00 => Floor sensor (default setting)

01 => Room-in Sensor (Ran by built in air sensor)

02 => Room-in Sensor and Floor Sensor (Ran by built in air sensor with floor temp limit)

03 => Room-out Sensor (Ran by an external room sensor)

04 => Room-out Sensor and Floor Sensor (Ran by external room sensor with floor temp limit)

2.Room temp calibration done by room sensor

3.Floor temp calibration done by floor sensor

4.Floor temp limit only done when using both room and floor sensor

5.Select to set everyday individually or set the weekdays and weekends individually

6. Used for heating or cooling

- 7.** Adaptive function learns over time when it is the best time to come on and heat the floor to reach the required temperature at the next period.
- 8.** Thermostat located in office or home
- 9.** Reset thermostat to factory defaults

8.5 Open Window Detection

This function only works when Room sensor OR floor and room sensor are selected. The thermostat will shut off for 15 minutes when the windows are open. As it will detect the room temperature decreasing.

4 Troubleshooting

- E1:** Room-in Sensor Error
- E2:** Floor Sensor Error
- E4:** Room-out Sensor Error