

Sold in the UK by:  **ccolade**

Accolade Heating Ltd
Pitreavie Drive
Pitreavie Business Park
Dunfermline
Fife, UK
KY11 8US
T: 01383 56705
F: 01383 622416
E: hello@accoladeheating.co.uk
W: www.accoladeheating.co.uk



| Heating (WIFI 220V)



Building Energy
Efficiency

Breath



Breath

Building Energy Efficiency

A “BREATH”

thermostat focuses on design, functionality and App response. Emphasis is on product quality, user & thermostat interface, smart Wi-Fi control and a sophisticated, brand new visual experience to prove that state-of-the-art heating controls don't have to be complicated to work – brilliantly!

A “BREATH”

thermostat is the result of a unique approach to product design and development which completely eliminates the utilitarian, industrial products of the past. We bring a fresh, interactive experience to thermostatic control.

A “BREATH”

thermostat uses infrared proximity sensors to automatically detect the human body and activate the thermostat as you reach out to touch. It adopts the latest capacitance touch pad technology to eliminate the need for buttons and make the system simple to operate.

A “BREATH”

thermostat has one single activation pad with a “breathing” green leaf – emphasising energy efficiency whilst maintaining a clean, unobtrusive design that compliments its surroundings.

Simplicity is at the core of every “BREATH” thermostat. Simplicity of design and simplicity of operation allows full control your heating system through a unique one-touch interface, providing energy savings and comfort.



Intelligently achieves the perfect balance between comfort and energy efficiency.



Helps reduce energy consumption by utilising the latest advances in thermostatic control technology.



“One-key” design concept – simple, efficient and comfortable!



**ONE
FACE**

“Uncluttered user interface – simple and elegant”



“Ultra Slim construction”



“Slender curve in front face – incorporates a clean, practical design”



“Breathing” green leaf – the nucleus of the BREATH thermostat



Breath

Building Energy Efficiency

Functions

1. Infrared Proximity Sensor:

BREATH thermostats detect when a body approaches (within 5cm). The backlight illuminates, enters operational mode and displays all system information. When there is no activity within 20 seconds the thermostat enters standby mode – the backlight fades and displays the ambient room temperature. All other information disappears.

Please note: In standby mode, the thermostat is still active and functioning.

2. ECO Energy Saving Mode:

Press “” for 2 seconds to activate ECO mode. The “” icon will illuminate in the top left of your thermostat to confirm that the temperature setting will now be a default of 14°C (This default temperature can be increased/decreased in the System Functions settings). This temperature will be maintained until “” is pressed once more (for 2 seconds) to exit ECO mode.

Please note: ECO mode can also be activated from the App on your smartphone or tablet – simply press the “” icon to activate/deactivate.

3. Heating Controls

On/Off: Touch “” to turn on and display operational mode. Touch “” again to turn off.

Operation/standby mode:

In operation mode, if there is no activity within 20 seconds the thermostat will return to standby mode.

Adjusting the temperature:

Press “<” repeatedly to decrease temperature in 0.5°C increments.

Press “>” repeatedly to increase temperature in 0.5°C increments.

Setting the time/day:

In operational mode, press “” to enter the time setting interface. Scroll to set the Hour, Minute, Weekday and (if activated) Timing On/Off parameters. In each of these parameters press “<” or “>” to set the relevant values.

Floor temperature display:

In operational mode, press “M” and the “” icon will illuminate and floor temperature will be displayed. After several seconds the “” icon will disappear and the thermostat will display the ambient room temperature.

Please note: This facility is only available with electric underfloor heating.

4. Self-learning Mode:

Your “BREATH” thermostat has a self-learning mode which automatically adjusts your schedule and activates the system so your room achieves the right temperature at the start of your scheduled program. This facility is set to “OF” by default but may be activated via the System Function Settings.

5.7 Day, 4 period Program Mode:

Each week is divided into 7 days, each with four separate heating periods. The time and temperature of each heating period can be set to accommodate your specific requirements.

Factory default: (1) 06:30hrs @ 20°C, (2) 08:00hrs @ 14°C, (3) 17:00hrs @ 20°C, (4) 22:30hrs @ 14°C

With power on, press “” for 3 seconds to enter programming mode. The Hour will flash and the display will show heating period 1. Use “<” & “>” to adjust to your preference. Press “” and the minute display will flash. Use “<” & “>” to adjust to your preference. Press “” and the temperature display will flash. Use “<” & “>” to adjust to your preference. Repeat the above for heating periods 2, 3 & 4. Repeat the above for each day. Inactivity for more than 15 seconds will return your thermostat to Standby mode.

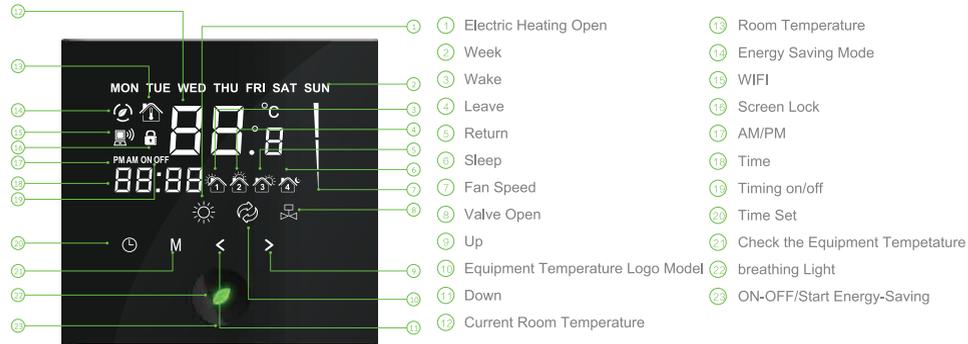
Parameter Settings:

With power off, press “” for 3 seconds to enter the Parameter Settings. “01” will be displayed. Press “M” to scroll through the system functions (see table below) and use “<” & “>” to adjust to your preference. Inactivity for more than 15 seconds will return thermostat to Standby mode.

ITEM	NAME	DEFAULT	DESCRIPTION
01	Low Temperature protection setting	ON	OF = Inactive ON = Active When active, if floor temperature falls below 5°C the heating will temporarily turn on to prevent freezing
02	ECO Energy Saving Setting	14 C	Range is 10°C – 21°C
03	Power Failure Memory	00	00 = Power Failure Memory = active 01 = Power Failure Memory = inactive 02 = Thermostat will automatically switch on after power failure
04	12/24 Hour Clock	24	12 = 12 hour system, 24 = 24 hour system
05	Standby setting	02	Time to enter standby after inactivity. Range is 01 – 12 (x 10 secs)
06	Timing & Programming	01	01 = Program only: Operates permanently on 7 day, 4 program settings 02 = One Day Timing: On/Off timing for current day only (no programming facility) 03 = Program & One Day Timing: Combines 01 & 02 above. 04 = Constant Timing: On/Off timing for every day (permanently). 05 = Programming & Constant Timing: Combines 01 & 04 above.
07	Self-Learning Function	OF	OF = Self learning is off ON = Self learning is on
08	Self-Learning Function Preheat Coefficient	20	If self-learning function is switched on – the time (in minutes) it takes to increase room temperature by 1 degree Centigrade. This value cannot be adjusted.
09	Maximum floor temperature*	26	When chosen floor temperature is reached, the system will automatically switch off to protect floor coverings Available range is 20C – 90C
10	Sensor Selection	03	01 = Control temperature using internal sensor 02 = Control temperature using external (floor) sensor 03 = Uses Internal sensor to control ambient temperature & external sensor to limit the floor temperature Please note: For selections 02 & 03, the floor sensor must be connected or “E” (error) will be displayed.

*Please note: Maximum floor temperature setting (see 9 above) is designed to protect floor coverings and is set to a default of 26C. Increase this value only if you are sure it will not damage your chosen floor covering.

Display The Help



Key Operation

-  Power on/off. Enter/exit ECO mode.
-  Clock settings and Program Settings mode.
-  Temporarily display floor temperature. Scrolls through System Functions
-  Increase/ decrease the temperature/ time.

Functional Description

1.Specification:

- . Sensing Element: NTC
- . Temperature-controlled Accuracy: ± 1 C
- . Temperature-displayed Accuracy: 0.5 C
- . Temperature setting Range: 5~35 C
- . Temperature measurement Range: 0~55 C
- . Ambient Temperature: 0~45 C
- . Ambient Humidity: 5~95% RH (non-condensing)
- . Key: Capacitive touch screen
- . Power Consumption: < 2 W
- . Power Supply: 220VAC $\pm 10\%$, 50/60Hz
- . Wiring terminals: Connect Wire 2 \times 1.5 mm²or 1 \times 2.5 mm²
- . Switch current rating: Water heating: 2A (resistive) ,1A (inductive)
Electric heating: 16A (resistive) ,6A (inductive)
- . Enclosure: fire retardant :PC+ABS
- . Dimension: 86 \times 86 (W \times H)
- . Hole pitch: 60 mm
- . Protection class: IP 30
- Your "BREATH" thermostat carries an 18 month warranty from date of purchase.



Wi-Fi Connection

Your thermostat supports 802.11b/g/n and 802.11abgn @ 2.4 GHz; JSON protocol; WEP, WPA & WPA2-PSK

Step 1 Ensure your smartphone/tablet has an active 2.4 GHz Wi-Fi connection.
To download the App, scan the QR code below or search USMART HOME in Apple store or Google Play.



Scan the code to download app

Step 2 Open the App and follow the instructions to register (or log in if already registered).



Step 3 After login, press “” and click on “Smart link” to connect to your router and input your Wi-Fi password.
Your thermostat will confirm it is processing data and will scroll through 1% - 100%.
Please note: Do NOT press “connect” until after completion of step 4.



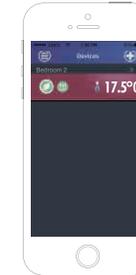
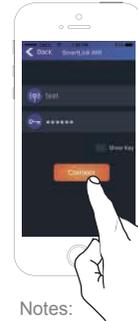
Step 4 On your thermostat, press “” for 5 seconds. The “” logo will flash to confirm your thermostat is in configuration mode.



Thermostat Wi-Fi status:

Wi-Fi status	Wi-Fi symbol “  ”
Unconnected	Disappears
Configuration mode	Flashes
Connected	Constant Display

Step 5 Press “Connect” on the App. This will show a successful configuration after a short time.
Step 6 You can now operate your heating system via the App and set the temperature, select ECO mode, switch the system on/off etc.



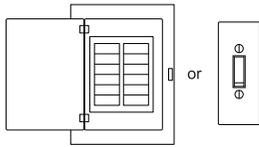
Notes:

- To connect additional thermostats to your APP press “+” from the main screen and follow the simple instructions
- To allocate a name to your thermostat (e.g. John’s bedroom, lounge, kitchen etc.): Open the App, press and hold the room icon on the main screen. You will have a choice of “Delete”, “Rename” or “Cancel”. Select “Rename”, fill in the “New Name” box and click “OK”. Your thermostat will now display the name you entered.

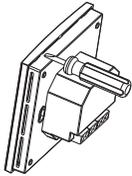
2. Installation instructions:

Your thermostat should be installed by a suitably qualified person in compliance with local regulations. We recommend using a minimum pattress depth of 35mm.

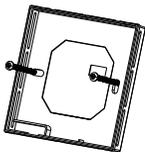
Step 1. Isolate power supply prior to installation.



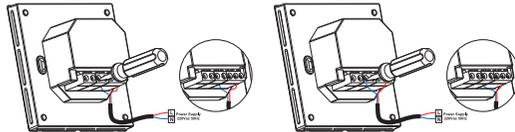
Step 2. Remove front panel by gently prising inside the top edge with a slot headed screwdriver.



Step 4. Secure the baseplate to pattress box using the supplied screws.



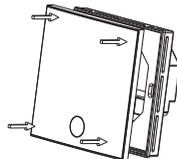
Step 3. Make electrical connections as per the diagram on the following page.



(1):Water heating

(2):Electric heating

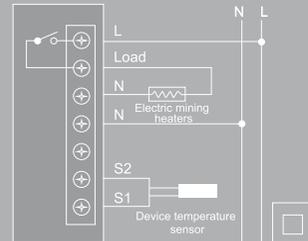
Step 5. Press the front panel onto the baseplate.



3. Wiring diagram

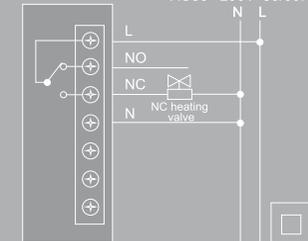
Electrical heating

AC85~250V 50/60Hz



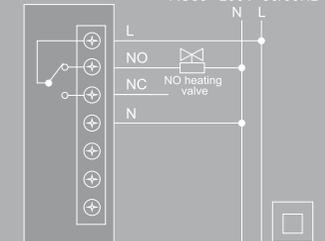
Water heating(NC heating valve)

AC85~250V 50/60Hz



Water heating(NO heating valve)

AC85~250V 50/60Hz



Note: Please ensure all wiring complies with the appropriate diagram above. Avoid contact with water, dirt or other hazardous materials that may cause damage.