

All-116 Room Thermostat A/ F/ AF Combi

Do not turn thermostat off by isolation switch unless you are carrying out maintenance
If the thermostat is isolated for a prolonged period the clock battery will drain and become inoperable.

Getting Familiar with your thermostat



Buttons and descriptions

- 1 Program button to set comfort levels
- 2 Change comfort levels, set you high and low temperature and vacation mode
- 3 Set the time
- 4 Select between programmed mode or manual mode
- 5 Decrease the set value
- 6 Increase the set value
- 7 Indication of the comfort level cycle in automatic mode
- 8 RT indicates room temperature and FT indicates floor temperature
"MANU" indicates manual mode, "AUTO" indicates automatic mode, in automatic mode the thermostat will follow the scheduled programme, while in MANU mode, the thermostat maintains a constant set temperature.
- 9 Temperature set point
☀ Comfort ☾ Economy 🏠 Holiday
- 10 Power Switch to toggle power on / off

Inserting Battery






Battery Type : CR1220
Battery should be placed with + side up

Please Note: One of the following error messages will appear if one of these problems occur:-

- LO - This error means that the room or floor temperature is below 0°C
- HI - This error means that the room or floor temperature is greater than 50°C

Setting your thermostat - Follow the easy steps below.










Setting the time and day

- Press  once and the time will start to flash
- Press the Up  or Down  arrow to adjust the time (hours - minutes). Press and hold arrow key in order for the time to change in 15min increments.
- Press  once when the time is set to accept the changes. Changes will automatically save after 5 seconds of inactivity.
- Press the Down  Arrow to set the correct day of the week.

Setting the default temperatures

- The ☀ symbol means the highest temperature you want to achieve, this is the temperature that will be required when the room is in use.
- The ☾ symbol means the lowest temperature, the temperature you want to go no lower than when the room is not in use.
- The 🏠 symbol means holiday mode (this is set to stop your floor from going below the set temperature).

To set the temperatures

- Press  once to select ☀, the temperature setpoint will now flash, press the up  or down  arrow to adjust to the desired temperature while the room is in use (usually between 20 - 23°C).
- Press  again to select ☾, the temperature setpoint will now flash, press the up  or down  arrow to adjust to the desired temperature while the room is not in use (usually between 15 - 18°C).
- Press  again to select 🏠, the temperature setpoint will now flash, press the up  or down  arrow to adjust to the desired temperature while you are on holiday (usually between 5 - 10°C).
- If there is no activity within 5 seconds the thermostat will save the settings and revert back to standard mode. If this happens before completing the temperature setup start from the beginning again.

See overleaf for further setting up information

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Program the comfort levels

Default Factory settings

- Setting 1 06:00 heating will turn to comfort mode (Default 21°C)
- Setting 2 08:30 heating will turn to economy mode (Default 16°C)
- Setting 3 16:00 heating will turn to comfort mode (Default 21°C)
- Setting 4 21:00 heating will turn to economy mode (Default 16°C)

The above settings are factory set programs that work in "AUTO" mode, the thermostat will automatically change between comfort and economy at the set times. The set times can be changed by using the following instructions.

- Press the to select the program number (e.g.)
- Press the down arrow to select the day (Press and hold the down arrow for five seconds to choose all days)
- Press the Button to select the start time
- Use the up or down Button to set the desired time.
- Press the button to confirm and exit.
- Repeat the above steps for all the program settings

Setting floor temperature limit (in AF mode only)

- Press and hold the button for 5 seconds
- Press the up or down arrow to adjust the set temperature (default is 28°C)
- Press again to accept and exit

Display the floor temperature

To display the floor temperature in air & floor mode press and hold the up arrow for 5 seconds.

Calibrating the default temperatures

This thermostat can be calibrated by following the instructions below.

- Press and hold the button for 5 seconds, the temperature display will start flashing.
- Press the up or down arrow to adjust the temperature
- Press the button to accept the changes and exit.

Power on & off

When maintaining please use isolation switch

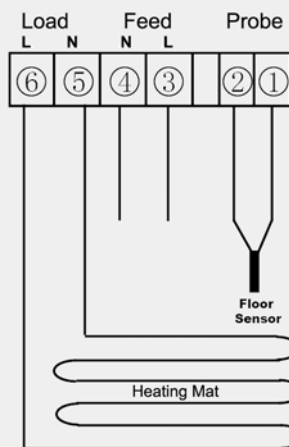
To turn the power off and on press button 1 for 5 seconds, in off mode it will only display the temperature.

Mode selection

This thermostat can be used as an air only, floor only or air and floor sensor

- Air only Selection
Dip switch settin 1,2
- Air & Floor Selection
Dip switch settin 1,2
- Floor only Selection
Dip switch settin 1,2

Wiring Diagram (220v)



Setting Temperature Display

This thermostat can be set to display either Celcius or Fahrenheit by using settings below.



Jumper cap on 2-3=°C

Jumper cap on 1-2=°F

This thermostat is rated at 15A max, 3450 watts of heating elements can be powered with this thermostat

*The All-116 is part of the Allbrite range of thermostats suitable for electric underfloor heating
 Allbrite UK Ltd, 30 Chester Street, Mold, Flintshire, CH7 1EG. Support helpline 0870 3009550*