

CRT - Battery Operated Room Thermostat

CURVE

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Important: Keep this document

Prior to setting the thermostat, it is necessary to complete all required settings described in this section.





Before commencing any work on the electrical connections, you must first disconnect the device from the mains. None of the 230V connections must be live until the installation has been completed and the housing is closed. Only qualified electricians or authorised service staff are permitted to open the terminal box.




Caution!

There are parts that carry mains voltage behind the cover. The terminal box must not be left unsupervised when open. (Prevent non specialists and especially children from gaining access to it.)

1.) Factory default settings

Volt free contacts	Hi and Lo temp. limitation: OFF
Temperature indicator: °C	Auto daylight saving
Comfort setting: 21°C 	Blue backlight activated for 10 secs after any button is pressed
Economy setting: 16°C 	
Switching differential: 0.4°C	
In built frost protection: 5°C	

2.) Specifications & wiring

Power Supply: 2 x AA Alkaline Battery	Temp. sensor: NTC 10K Ohm @ 25°C
Power consumption: 2mW	Temp. indication: °C or °F
Battery replacement: Once per year	Switching differential: Adjustable from 0.2/0.4/0.6/0.8/1.0°C
Temp. Control Range : 5...35°C	Frost stat only operational in stand by mode 
Ambient temp: 0...50°C	
Contact Rating: 8A / 250VAC	
Dimensions: 84 * 84 * 30mm	

3.) Mounting

The mounting height should be 1.5 meters above the floor level.
The thermostat should be wall mounted in the room where the heating is to be controlled.
The place of installation should be chosen so that the sensor can measure the room temperature as accurately as possible.
Choose the mounting location to prevent direct exposure to sunlight or other heating / cooling sources when mounted.
The unit can be fitted to:

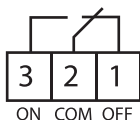
1. Recessed conduit boxes
2. Surface mounting boxes
3. Directly on walls

4.) Installation

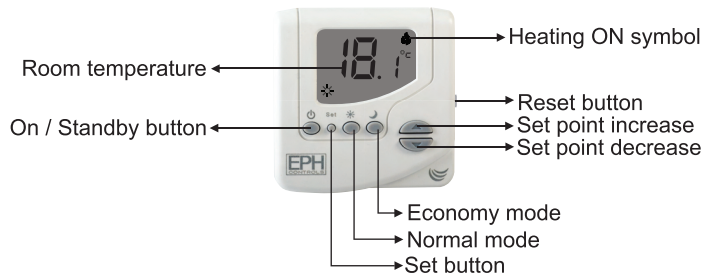
Slacken the fastening screw on the bottom of the thermostat with a philips head screwdriver.
The thermostat is hinged and can be opened 180 degrees.
Mount the unit as described in section 3.
Wire the thermostat according to the wiring diagram.
Close the thermostat and tighten the fastening screw.

5.) Wiring diagram



INTERNAL WIRING DIAGRAM CRT















6.) Button / symbol description









7.) Resetting the thermostat

It is necessary to reset the thermostat prior to initial programming.
Press and hold the  button for 5 seconds.
dEL will appear on the screen.
Press the  button on the side of the thermostat.

8.) Adjusting the factory default settings

Press the  button.
Press the  or  button to adjust the comfort setting. .
Press the  button.
Press the  or  button to adjust the economy setting. .
Press the  button.
Press the  or  button to adjust the switching differential.
Press the  button and the thermostat is ready for operation.

9.) Keypad lock and unlock

To lock the keypad, press and hold the  and  buttons for 5 seconds.
 will appear on the screen. The keypad is now locked.
To unlock the keypad, press and hold the  and  buttons for 5 seconds.
 will disappear from the screen. The keypad is now unlocked.

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10.) Hi and Lo temperature limitation



An upper and lower temperature limit may be chosen.


Press and hold the  and  buttons for 10 seconds.



OFF will appear on the screen.

Use the  button to select ON.

Press the  button to select high limit.

Press the  and  buttons to select high limit temperature.

Press the  button to select low limit.

Press the  and  buttons to select low limit temperature.


Press the  button and the thermostat is ready for operation.

Limit will appear on the screen.

To deactivate Hi and Lo temperature limitation

Press and hold the  and  buttons for 10 seconds.

On will appear on the screen.


Use the  button to deactivate this function.

OFF will appear on the screen.

Press the  button and the thermostat is ready for operation.

11.) Frost protection

Frost protection is built into this thermostat, it is pre fixed at 5°C and is not adjustable.

It will only be activated when the thermostat is in the stand by mode  and the room temperature reaches 5°C.

8.) Replacing the batteries

Slacken the fastening screw on the bottom of the thermostat with a philips head screwdriver.

The thermostat is hinged and can be opened 180 degrees.

Replace the batteries with 2 x AA Alkaline batteries

Close the thermostat and tighten the fastening screw

