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



**CAUTION!**

Before commencing any work on the electrical connections, you must first disconnect the thermostat 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 thermostat.

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

**Important: Keep this document**

## 1. Factory default settings

Contacts:	Volt Free
Temperature indicator:	°C
Switching differential:	0.4°C
In built frost protection:	5°C
High and Low temp. limitation:	Off

## 2. Specifications & wiring

Power supply:	2xAA Alkaline Battery
Power consumption:	2mW
Battery replacement:	Once per year
Temp. control range:	5 ... 35°C
Ambient temperature:	0 ... 50°C
Contact rating:	8A 250Vac
Dimensions:	84 x 84 x 30mm
Temperature sensor:	NTC 10K Ohm @ 25°C
Temperature indication:	°C
Switching differential:	Adjustable from 0.2/0.4/0.6/0.8/1.0°C
Frost protection:	Only operational in stand by mode

## 3. Mounting

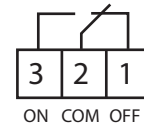
- The mounting height should be 1.5 meters above the floor level.
- The thermostat should be wall mounted in the room where the heating is to be controlled.
- The place of installation should be chosen so that the sensor can measure the room temperature as accurately as possible.
- Choose the mounting 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 CRT2



## 6. Frost protection 5°C

- 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.

## 7. Button / Symbol description



## 8. 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.

## 9. Keypad lock and unlock OFF

- 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.


### 10. High and Low temperature limitation OFF


An upper and lower temperature limit may be chosen.


Press and hold the  and  buttons for 10 seconds.



**Limit OFF** will appear on the screen.


Use the  button to select **Limit 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 High and Low temperature limitation.

Press and hold the  and  buttons for 10 seconds.

**Limit ON** will appear on the screen.

Use the  button to deactivate this function.

**Limit OFF** will appear on the screen.

Press the  button and the thermostat is ready for operation.

### 11. 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.

