



CTH291, 0-10VDC Thermostat:

Step One:

Review wiring of thermostat (and sensor if duct control application). (Refer to instructions supplied with the thermostat or on www.thermolec.com).

Step Two:

Review Dip Switches settings. (Refer to instructions supplied with the thermostat or on www.thermolec.com).

Note for Dip switch 2:

Reverse acting: 0-VDC = Full OFF /10VDC = Full ON
(THERMOLEC DEFAULT).

Direct acting: 0-VDC = Full ON/ 10VDC = Full OFF

Troubleshooting notes:

1) If the display is showing two straight lines, the external sensor is defective or not connected to terminal 7 and 8 (if configured for external sensor – Dip switch 3 = ON). Circuit is open: resistance is infinite or high.

2) If the temperature sensor is out of measurable range, the display will indicate HI (when the measured temperature is higher than the top bracket of the temperature range) or Lo (when the measured temperature is lower than the lower bracket of the temperature range).

3) Power has to be switch off and on (RESET) after dip switch is changed.

Example: If dip switch 3 is set to external sensor (ON) and no sensor is connected, the screen will show 2 lines; if dip switch 3 is then set to internal sensor (OFF), 2 lines remain as long power has not been reset.

4) When the thermostat is in heating mode, a sun will appear on the display. It will flash
when there is a demand for heat.

When the thermostat is in cooling mode, a snow flake will appear on the display.

(To set cooling mode, install a jumper between terminals 2 and 3).



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