



## Product Description

### Standalone On/Off Thermostat

NCTSO1x is a stand-alone microprocessor based thermostat with large LCD display. The thermostat is designed to on/off control the fans, valves, dampers or electric heaters in fan coil units.

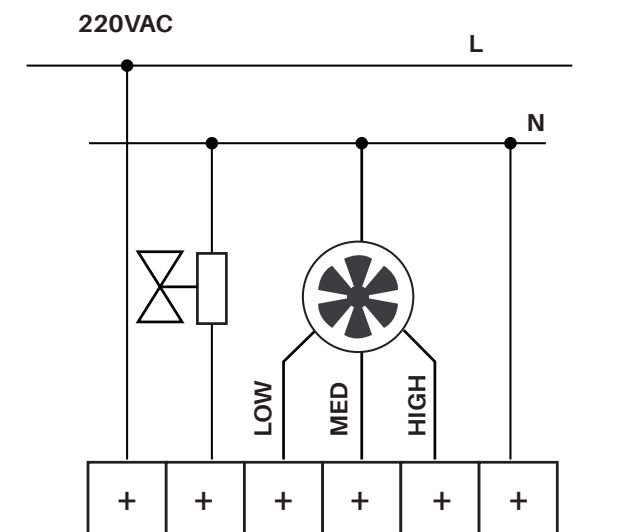
### Application

The product has a large display to show control mode, setpoint, temperature and fan speed. Models are available for heating / cooling / ventilating control of 2-pipe or 4-pipe fan coil units.

### Installation

The thermostat is mounted directly on to a wall or standard junction box.

## Wiring Diagram



## Features & Benefits

- ▶ Standalone On/Off Thermostat
- ▶ Large Digital LCD Display for Ambient Temperature and User Interaction
- ▶ Temperature Setpoint Display and Selection 5°C ... 35°C,  $\pm 0.5^\circ\text{C}$
- ▶ Fan Speed Selection Low/Med/High/Auto
- ▶ Adjustable heating/cooling/ventilating mode
- ▶ Low Temperature Protection

## Technical Information

<b>Operating Voltage</b>	230 VAC, 50/60 Hz
<b>Setpoint Range</b>	5°C ... 35°C, $\pm 0.5^\circ\text{C}$
<b>Accuracy</b>	$\pm 0.5^\circ\text{C}$
<b>Display</b>	65 x 48 mm LCD display
<b>Operation</b>	Push buttons for Power, Mode, Fan Speed, Up and Down
<b>Mode Setting</b>	Heating, Cooling or Ventilating
<b>Fan Speed Selection</b>	High, Medium, Low and Automatic fan speed control
<b>Output</b>	SPST relay for 2-pipe model 2 SPST relays for 4-pipe model
<b>Switch Current Rating</b>	Resistive: 2A/4A, Inductive: 1A/2A
<b>Operating Conditions</b>	0 ... 40°C 5 ... 95 % RH (non-condensing)
<b>Temperature Sensor</b>	NTC Thermistor 100K
<b>Enclosure</b>	Fire retardant PC ABS
<b>Dimensions (mm)</b>	86 x 86 x 13 mm
<b>Mounting</b>	Embedded mounting, electrical boxes: 62x46x24.5mm 48x48x25mm (European standard)
<b>Wiring</b>	Screw-in terminals, 0,75 mm <sup>2</sup> / 1.25 mm <sup>2</sup> cable

## Ordering Codes

NCTSO12	Stand alone On/Off Thermostat - 2 pipe model
NCTSO14	Stand alone On/Off Thermostat - 4 pipe model