



NENUTEC is pleased to offer the NTC 830 series thermostat with LCD. It features a On/Off control for heating and cooling with fan speed switch. The controllers are designed for use in 2-pipe or 4 Pipe Fan Coil units, and a variety of heating and cooling applications controlled by water valves and damper actuator.

### Feature

- Low power energy consumption: < 1W per unit
- Relays switching for fans up to 300W
- Automatic fan control for three stage fans.
- Cost saving option with Economy functionality and set point limitations
- Control for single stage heating, cooling and fan only operation modes
- Password protected programmable user and control parameters
  - Setpoint range limitation
  - Access control for setpoints, fan speeds and mode change
  - Access control for heat/cool change and time programs
  - Select your display contents
  - Selectable behavior after return from power failure

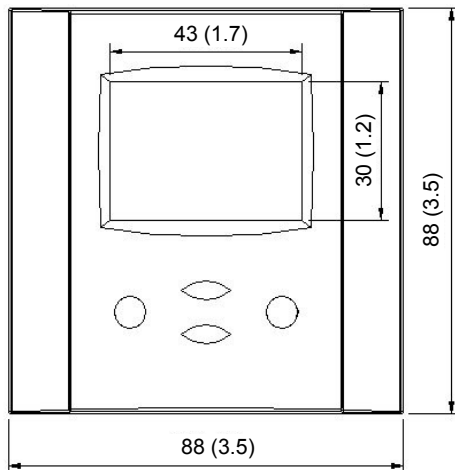
### Deluxe Version:

- Clock and time schedule functions with power failure protection
- Blue backlight for LCD
- Infrared remote controller option, NRC830
- Power backup for real time clock (Min 48h if charged for 24h)

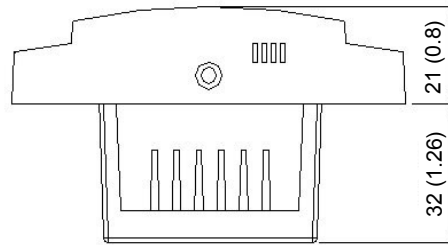
### Specification

NTC831-XY	Off-Cool, 3-speed Fan, Single Output, Cooling, 2-pipe, AC230V	
NTC832-XY	Heat-Off-Cool, 3-speed Fan, Single Output, Cooling or Heating, 2 Pipe ,AC230V	
X	Blank = Standard; D = Deluxe Version	
Y	Blank = Standard; W =1 external NTC or open contact input	
Power Requirements	AC230 V ±10%, 50/60 Hz Models	
Power Consumption	Max 1W, 1.5 VA	
Signal Inputs	Temperature Inputs Resolution Accuracy	RT Internal 0.1°C (0.1°F) 0.5°C (1°F)
Signal Outputs	Digital Switching Outputs Switching type AC Switching power	DO1...DO4 Relays 2(1.2) A, 250VAC (max fan power 300W)
Body Material	Fire proof ABS plastic (UL94 class V-0)	
Environment (Operating / Storage)	0 to 50 °C / -25 to 70°C ; <95% RH Non-condensing	
Certification	CE and ISO 9000 (EN...requirements)	
Degree of Protection	IP30 to EN 60 529	
Shipping Weight	0.260 kg	
Dimensions	Front part: 21 x 88 x 88mm (0.8 x 3.5 x 3.5 in.) Power case: 60 x 50 x 32mm (2.4 x 2.0 x 1.26 in)	

### Dimensions

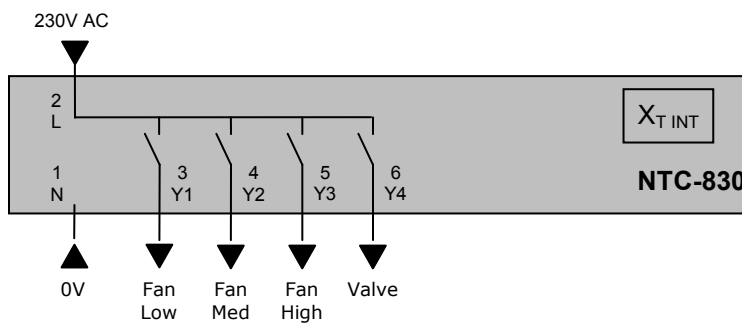


Space required in flush mounting box:  
(H x W x D)



Distance for mounting screws:  
Horizontal and vertical:  
45 to 63mm (1.8 to 2.5 in.)

### Wiring Diagram



#### Description:

<b>N</b>	Power supply:	0V Neutral
<b>L</b>	Power supply:	230VAC
<b>Y1</b>	Binary output 230V AC:	Fan speed low
<b>Y2</b>	Binary output 230V AC:	Fan speed medium
<b>Y3</b>	Binary output 230V AC:	Fan speed high
<b>Y4</b>	Binary output 230V AC:	Valve (Heating or cooling)

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