



NENUTEC is pleased to offer the NTC 840 series thermostat with LCD. It features a Modulating 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

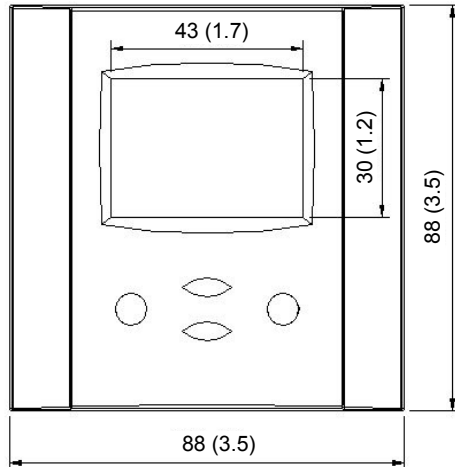
- Low power energy consumption: < 1W per unit
- Relays switching for fans up to 300W
- Automatic fan control for three stage fans.
- Cost saving option with Economy functionality and set point limitations
- Control for single stage heating, cooling and fan only operation modes
- Password protected programmable 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:

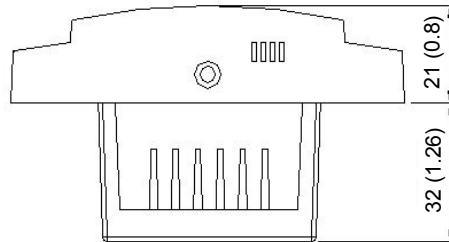
- Pls refer to NTC841&842 catalogue for details.

Specification		
NTC843-XY	Off-Cool, 3-speed Fan, 0-10VDC Output, Cooling, 2-pipe, AC230V	
NTC844-XY	Heat-Off-Cool, 3-speed Fan, 0-10VDC 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	RT Internal 0.1°C (0.1°F)
Signal Outputs	Digital Switching Outputs Switching type AC Switching power	DO1...DO5 Relays 2(1.2) A, 250VAC (max fan power 300W)
	Analog Outputs Output Signal Resolution Maximum Load	AO1, For TLC3-FCR-M4 AO2 DC 0...10 V 9.76 mV (10 bit) 5 mA
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.)	

### Dimensions

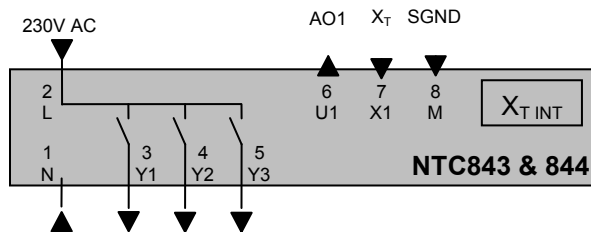


Space required in flush mounting box:  
 (H x W x D)



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

### Wiring Diagram—Modulating



### Description:

- N** Power supply: 0V Neutral
- L** Power supply: 230VAC
- Y1** Binary output 230V AC: Fan speed low
- Y2** Binary output 230V AC: Fan speed medium
- Y3** Binary output 230V AC: Fan speed high
- U1** Analog output: 0...10 V DC
- X1** External input: NTC 10kΩ @ 25°C (77°F) or Open contact to SGND
- M** Common 0 potential for inputs and analog outputs.

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