

# TH450 Non-Programmable Electronic Wall Thermostat

Baseboards, Radiant Ceiling,  
Convectors & Fan-Forced  
Heaters

This compact non-programmable thermostat delivers exceptional accuracy and silent operation, and is ideal for small spaces

### MODEL & RATINGS

TH450	2000 W @ 120 VAC	16.7 AMPS RESISTIVE	60 Hz	2 wires / SPST
	4000 W @ 240 VAC	16.7 AMPS RESISTIVE	60 Hz	2 wires / SPST
	<i>(min. 1.25 amp load)</i>			



TH450 Thermostat

### SPECIFICATIONS

#### TEMPERATURE CONTROL

Microprocessor-optimized PIA  
Heating Cycles: 15 seconds or 5 minutes  
Accuracy:  $\pm 0.15^{\circ}\text{C}$  /  $0.27^{\circ}\text{F}$  (15-sec. cycles)  
 $\pm 0.5^{\circ}\text{C}$  /  $0.9^{\circ}\text{F}$  (5-min cycles)

#### SWITCHING ACTION

TRIAC: Silent Operation

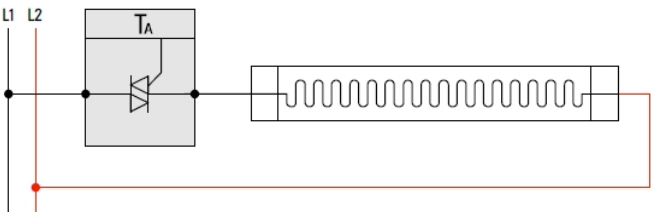
#### TEMPERATURE SETTING

Manual  
 $^{\circ}\text{F}$  or  $^{\circ}\text{C}$  - User Selectable

#### DIMENISONS (H x W x D)

5.0" x 5.0" x 1.42" / 127 mm x 127 mm x 36 mm

### INSTALLATION



$T_A$  = Ambient Temperature

### FEATURES

**Minimum load** means thermostat can control smaller baseboards (example: 2'-0" baseboard)

**Slim, compact design**—ideal for installation in small spaces

**Temperature lock** limits minimum and maximum setpoints - **Keypad lock** also inhibits keypad usage

**Compatible with fan-forced heaters**

**2-wire non-polarized connection** means fast, hassle-free installation

**On-screen heating power indicator** gives at-a-glance verification of power being used

**Ultimate temperature control**—the most accurate type of thermostat on the market ( $\pm 0.15^{\circ}\text{C}$  /  $0.27^{\circ}\text{F}$ )

**Battery free**

#### The advantages of Triac switching

Although the TH450 is non-programmable, its TRIAC precision still saves up to 10% on your heating bill. Here's how:

- Unsurpassed precision eliminates temperature swings
- No temperature swings means you are comfortable at a lower set point
- Comfort at a lower set point saves money on heating bills

