

## wi-stat T50 Series - Temperature Wireless Heat/Cool Programmable 5-1-1

### Description:

The T50-series wireless Heat/Off/Cool/Auto programmable thermostat. The system is made up of two component parts.

a) Thermostat-Transmitter - senses the temperature and sends a pre-coded signal. It also, displays the room temperature, system mode, time of day, maintains the programming events. The signal is transmitted up to 150 ft.

b) Control- Receiver - is coded to receive the RF signals for the sensing unit. The receiver is wired to the heating and cooling system. It can be mounted external from the system or at the location of the old thermostat. The control has indicator LED's that show systems operation.

### Applications:

Single stage split air conditioning and heating systems, PTAC systems, etc.

### Features:

**Transmitting Distance** - 150 ft. in open space; rooms with walls 50 ft.

**Precision Temperature Control** - Accuracy  $\pm 1^\circ\text{F}$

**Programmable or Manual** - easy 5-1-1 programming, LCD will walk you through the program.

**Auto heat/cool change-over**- heat and cool are set separately, so dead band can be set in auto mode.

**Compressor time delay protection**- 5 minute off time delay, prevent rapid cycling.

**Power supply**- Control 24 VAC; Thermostat battery powered

**LED monitoring of system operation**- Indicators on receiver shows when systems are operating .

**Auto Updating** - temperature updating is done every 15 min. If power is interuped, the code is automatically sent to the receiver, when re-stored. It may take up to 15 minutes, depending on the update period.



T50-B3B11 -S1



T50-B3B11-S2

### Specifications

<b>Temperature Range:</b>	45°F to 95°F
<b>Temperature adjustment:</b>	1°F
<b>Programmable selection:</b>	5-1-1 or manual
<b>Events per day:</b>	4
<b>System:</b>	Heat/Off/Cool
<b>Fan function:</b>	On/Auto
<b>Time delay:</b>	5 min. off
<b>Update:</b>	every 15 minutes
<b>Display:</b>	LCD
<b>Transmitting Frequency</b>	916.35 MHz
<b>Transmitting distance:</b>	150 ft. open space 50 ft. with walls
<b>Receiver power supply:</b>	24 VAC
<b>Transmitter power supply:</b>	Battery 2 ea. AA
<b>Case:</b>	Plastic hi-impact, white

### Models

**T50-B3B11-S1** - Thermostat/Control System  
( wall mounted thermostat)

**T50-B3B11-S2** - Thermostat/ Control System  
(remote mounted thermostat)

**T50-A3B11-T1** - Thermostat -Transmitter  
( wall mounted)

**T50- A3B11-T2** - Thermostat - transmitter  
( remote mounted )

**T50-B3B11-R1** - Control - Receiver (wall mounting)

CONTROLLED AIR

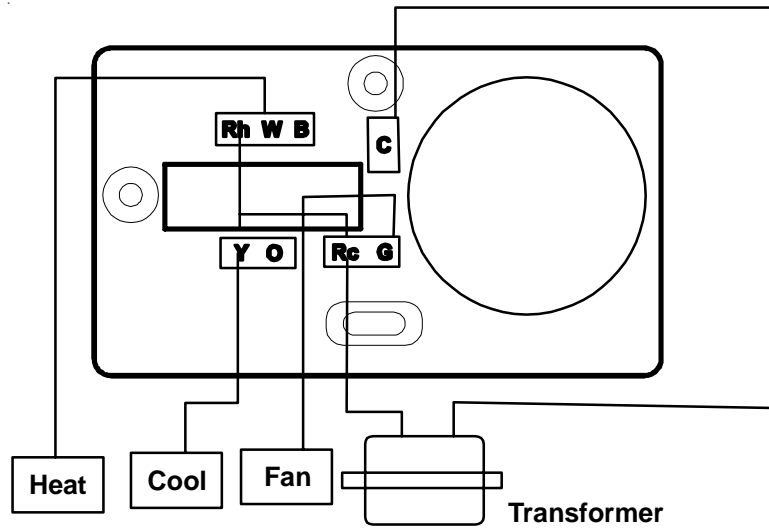
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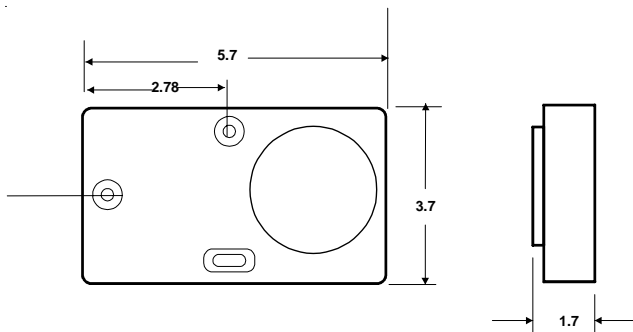
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Bedminster, PA 18910  
Ph. 215-795-2225 Fax 215-795-2223

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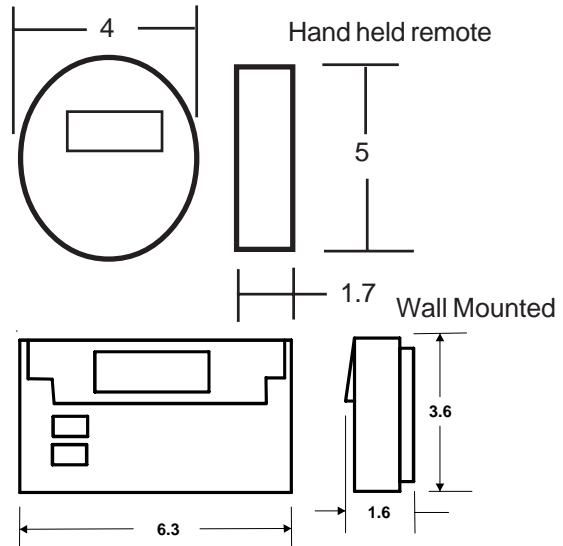
## Wiring Diagram



### Receiver



### Transmitter



### Engineering Specification

The thermostat shall be wireless using RF to send signals from the Transmitter thermostat to the Receiver control. The control shall LED indicators light when systems are activated. The transmitting distance shall be 150 ft. open air and 50 ft through walls. The Transmitter shall be battery powered and the Receiver shall be 24 VAC. Case color shall be white, hi impact plastic. The display on the thermostat shall be LCD.



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