

INSTRUCTION MANUAL

Digital Thermostat P/N: 29019

Installation

1. Look for a location, which has a constant temperature in the house and it is not near the door entry or air condition outlet (see example on Figure 1).

2. Warning!! Turn off your main power switch before installing the thermostat.

3. Open the front cover by using a screwdriver to press a hook on top of the front cover(see Figure 2). Pull the front cover out with your hand holding on both sides of the cover(See Figure 3).

4. Remove the snap-on terminal cover(printed with wiring diagram) by pulling it out with your index finger with a little bit of force.

5. Use the screws provided, mount the base on the wall with screwdriver (see Figure 4). The wires should go through the lower part of the base right below the terminal block into a hole on the wall.

6. Follow the wiring diagram on Figure 5. Insert the wires into the terminal block and use a screwdriver to tighten the screw on top of the terminal block Before wiring, you MUST check your system-wiring diagram. If your system is other than this type, please consult with your local dealer or a professional electrician.

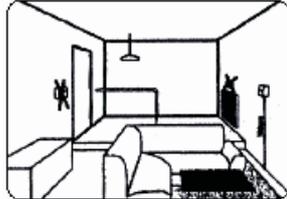


Figure 1

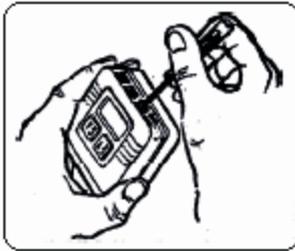


Figure 2

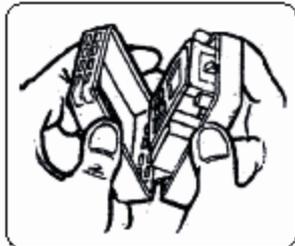


Figure 3

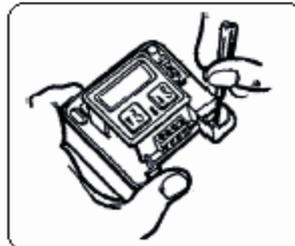
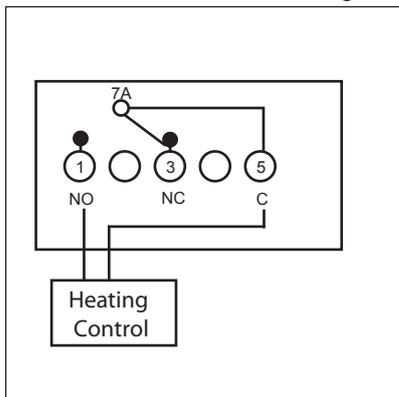


Figure 4

WIRING DIAGRAMS:

Figure 5



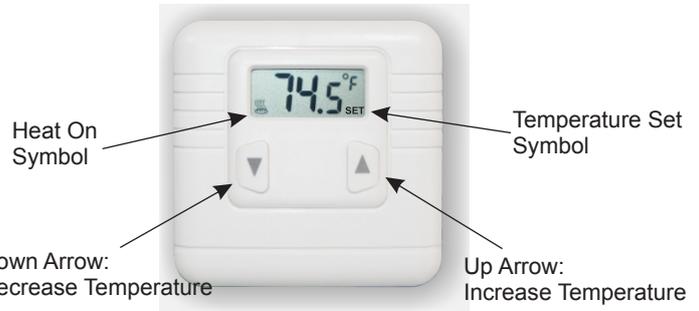
7. Install the two AAA batteries as shown on Figure 6.

8. Snap back the terminal cover and put the front cover back to the base. Make sure the hooks on the base are locked with front cover.

9. You can turn on the main power switch for operation.



Figure 6



Setting and Operation:

1. When the thermostat is powered up, setpoint (default is 70°F) will be flashing for three seconds. Then the current room temperature is displayed. Press either Up Arrow or Down Arrow once to display current set temperature. Press once more to enter setting mode and LCD display will indicate a flashing temperature with "Temperature Set" and "Heat On" symbols as shown above.
2. Press either Up Arrow or Down Arrow to set a desired temperature. Every press on Up Arrow will increase 1°F and every press on Down Arrow will decrease 1°F. Press and hold to change the setting continuously.
3. When you have completed setting your desired temperature, please wait for 5 seconds until the LCD display stops flashing. Then the thermostat starts to operate to maintain your set temperature. The LCD display on the front panel indicates the current room temperature. When the thermostat is calling for heat, "Heat ON" symbol appears on the LCD display until the temperature reaches your set temperature.

To view the setpoint:

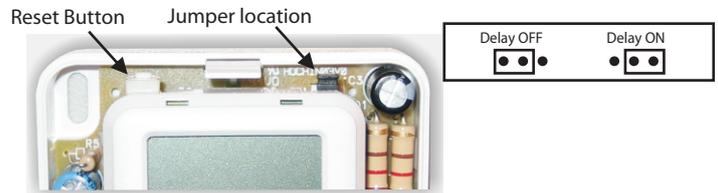
Press either Up Arrow or Down Arrow once.

Differential Selection:

The differential(Hysteresis) sets the temperature variation the system allows below the temperature setpoint before switching on the heating control. To change the differential setting, press both Up Arrow and Down Arrow buttons at the same time for 5 seconds (The LCD display will show "dif SET") until the current value is displayed. Use Up or Down Arrow to select a new differential value (0.5, 1, 1.5 or 2.0°F). After 5 seconds the display will return to normal operation. Default is 1°F.

Anti-Short Cycle Delay:

Anti-Short Cycle Delay can be set to ensure the output relay remains off for 3 minutes after relay is de-energized. This feature can be used to protect the heating equipment such as pump. Use the jumper to turn on/off the delay function. Default is OFF. Press the Reset Button once after changing the setting.



SPECIFICATIONS:

- Display Format: Liquid Crystal Display(LCD)
- Power Input: AAA battery x 2
- Contact Rating: 7A Resistive (3A inductive)
- Sampling Rate: 1 Minute
- Accuracy: ±1°F
- Temperature Control Range: 40-95°F
- User selectable 3 mins. anti-short cycle delay
- Differential selection: 0.5, 1.0, 1.5, 2.0°F
- EEPROM (memory) for setting backup

Infloor Sales & Service SW
503 Gregg Drive
Buena Vista, Co 81211
(800) 608-0562
www.infloor.com