



The IWVT Insteon Water Variable Temperature Sensor provides a way to sense temperatures and trigger Insteon enabled devices. It interfaces to a standard Insteon I/O Linc device (purchased separately) and triggers based on user settings. (Approximately 25°F -106° F.)

The sensor is completely self contained and uses a sealed solid state transducer preset at the factory. The sensor should be placed in a location that will protect it from being frozen in ice and direct sun as well as no deeper than 5 ft in the water to accurately reflect the ambient water temperature. The control unit (with the temperature adjust potentiometer) must be protected from the elements. There are three leads extending from the control unit.

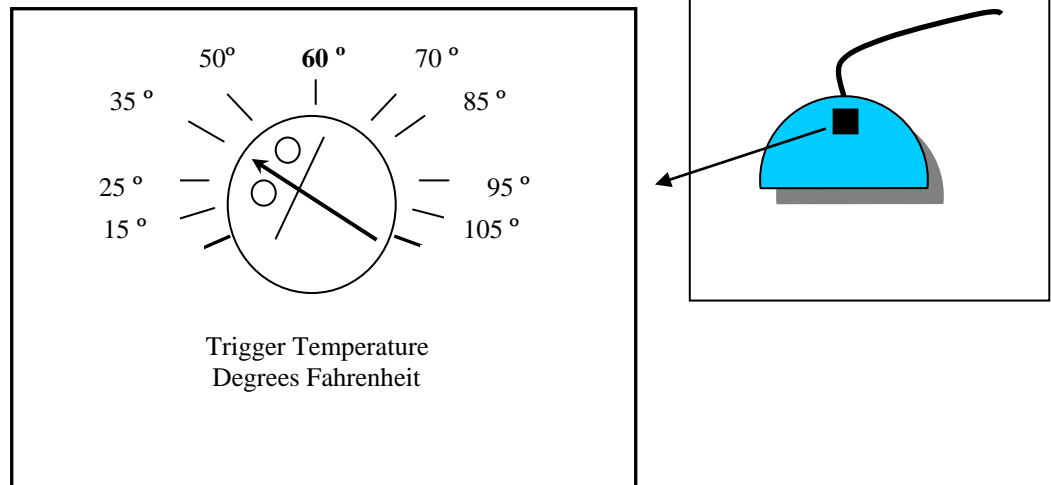
- 1) Connect the *Shiny Metal* sensor wire to the I/O Linc “**GND**” Terminal (2nd from the left screw terminal.)
- 2) Connect the **Black** wire in to the I/O Linc “**SENSOR**” Terminal (3rd from the left screw terminal.)
- 3) Connect the **Red** wire in to the I/O Linc “**5v**” Terminal (1st from the left screw terminal.)
- 4) Plug your I/O Linc into an un-switched outlet. (*The I/O Linc LED will come on.*)
- 5) Using a small screwdriver on the blue trimmer potentiometer located on the exterior of the control unit turn the dial all the way to the left (counterclockwise) to get the temperature to trigger a device ON at or above the set temperature (Or OFF below a set temperature).
- 6) Press and hold the I/O Linc Set button until it beeps (about 3 seconds.)
- 7) Plug in your INSTEON Responder (receiver) in to an un-switched wall outlet.
- 8) Now Press and hold the Set button on your INSTEON Responder (the device you wish to control) for at least 3 seconds. (*The I/O Linc will beep and its Status LED will return to steady “on” to confirm linking. The Insteon device will be “triggered” based on being at a higher temperature than selected.*)
- 9) Plug devices you wish to control in to your Insteon Responder.
- 10) Set your trigger temperature based on the instructions on the next page.

In the alternative, if you wish to trigger OFF at or above a set temperature (or ON below a set temperature) turn the potentiometer all the way to the right (clockwise) then begin at step 6 above.

SETTING THE TEMPERATURE:

The temperature for triggering is set using a small screwdriver on the blue trimmer potentiometer located on the outside of the Control Unit.

The below illustration gives approximate settings and their respective temperatures.



NOTE: Observe polarity in connecting to the I/O Linc. Incorrect wiring to the I/O Linc can destroy the device. If the I/O Linc and/ or Insteon Responder have been used previously, they need to be set back to their factory settings prior to use. For residential use only.

Use extreme caution when working with water and electronics. Once per month check the sensor and wires for nicks and abrasions. Protect the Control Unit and I/O Linc from the elements. The sensor is only designed to be used with water, not any other liquid or chemical. For residential use only. Not for medical or safety of life/ property applications.

For best results, let the sensor sit in the environment for 1 hour prior to use in order to allow the temperature to stabilize and begin normal operation.