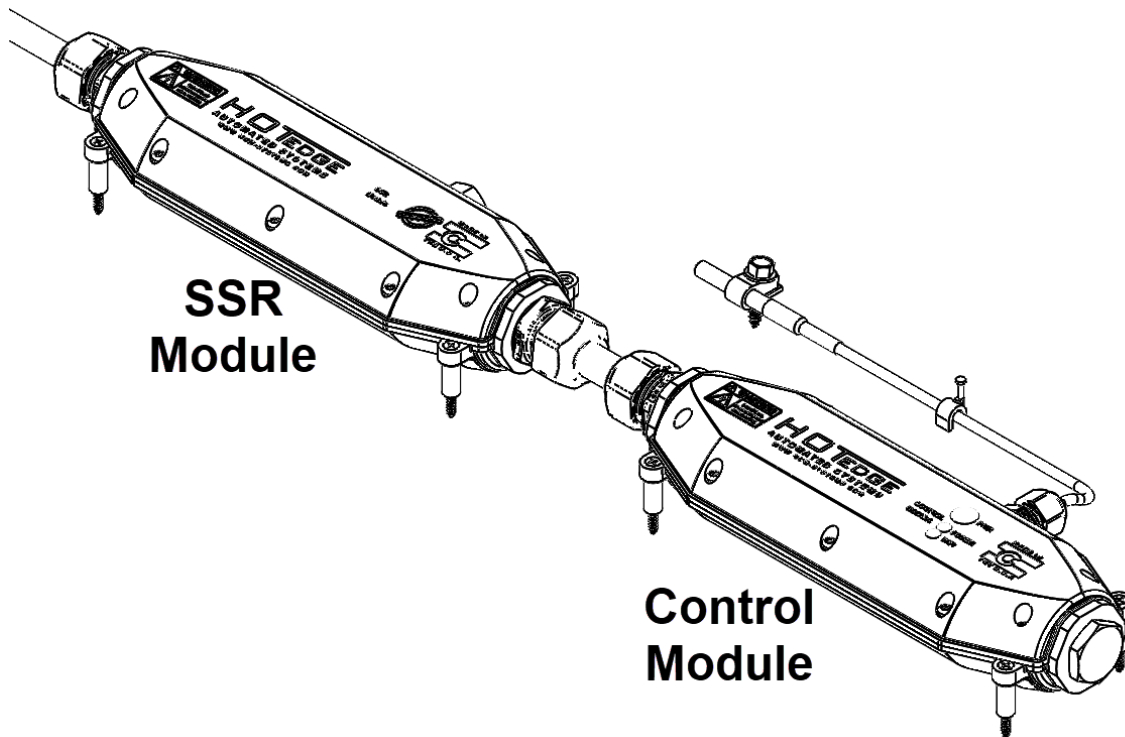


**HOTEDGE**  
ROOF ICE MELT  
MELT MORE with LESS



# Installation Instructions

# HCM-SSR I/O Config. Unit Installation Instructions



This product should be installed by a licensed electrician using the following instructions. When installing this product, make sure that input power is disconnected to prevent electric shock.

## **Product Specifications:**

- WiFi smart thermal switch
- Input Voltage: 100-240VAC 50/60Hz
- Output Voltage: 100-240VAC 50/60Hz
- Max. Steady State Load: 15Amp
- WiFi: 2.4GHz b/g/n
- Max Heat Tape Run Length: 240 Feet

## **Before Beginning, Ensure These Tools & Resources Are Available:**

1. Smartphone or tablet with access to APP Store or Google Play
2. Access to a 2.4GHz WiFi and Internet connection. Unit is not compatible with 5GHz signals.
3. Phillips Screwdriver
4. ¼" Bit Holding Screwdriver
5. Small Hammer
6. Power Source:
  - Outdoor Junction Box
7. Ensure you have the correct WiFi password.
8. Ensure that your router is MAC-open

## **Included in Package:**

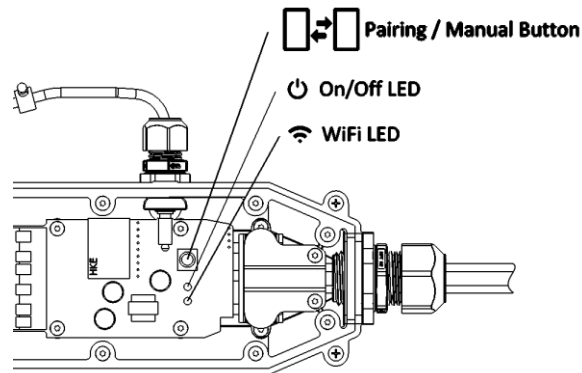
1. HCM-SSR Configured Controller w/12" pigtail
2. Three heat-tape spades and heat shrink kit
3. Three wire wingnuts
4. Eight housing attachment hardware & standoffs
5. Ten HCM-CTRL lid attachment hardware w/T10 Torx driver
6. Thermocouple housing attachment hardware
7. Terminal block cover w/hardware


1. Install the "eWeLink" APP.



2. Register a eWeLink account.

3. Locate a suitable location for mounting the unit and sensor, e.g. beneath housing eave, out of direct sunlight, away from accumulating water, ice & snow and with a strong WiFi signal next to outdoor junction box. Heat tape runs should not exceed 250 feet or 15Amp steady state total line load.
4. Attach the unit to the junction box and then to the building structure utilizing the standoffs and hardware provided.
5. Ensuring that the power source is off, attach the power to the unit according to NEC, utilizing the pigtails and wire wingnuts provided. Input is compatible with 120VAC & 240 VAC sources Line (L1), Line (L2)/neutral, shielding & ground.
6. Attach waterproof thermocouple to the building utilizing the provided cable clips. The thermocouple should be located in the area where the highest accumulating snow & ice conditions exist, such as the leading edge of the roof/gutter. Ensure however that the thermocouple is in an area directly influenced by the heat tape so that when melting is complete the thermocouple can effectively communicate to the unit to turn off. Direct sunlight will affect the thermocouple readings so shading is preferred.
7. Attach the heat tape buzz wires to the pigtails utilizing Load (T1), Load (T2)/neutral wires. The heat tape shielding can be secured to the ground terminal.
8. Ensure all cable glands are hand tight to prevent water from leaking into the unit.
9. Turn on the source power and ensure that the WiFi (blue) LED is illuminated.
10. When pairing unit it is best to isolate the 2.4GHz signal from the 5GHz on your WiFi router. Then using your smart phone linked to the 2.4GHz signal begins the pairing process. Instructions on how to split the 2.4GHz and 5GHz signal with Comcast/Xfinity can be found at: [www.HCM-Systems.com](http://www.HCM-Systems.com)
  1. Press and hold the pairing button for seven (7) seconds until the WiFi LED blinks three (3) times then on repeatedly.



2. Using the smart phone tap  on eWeLink App.
  3. Follow instructions for pairing the device.
  4. Input your WiFi SSID & Password when prompted.
  5. Name your device to complete. If installing several units select a name according to location, e.g. North Side, South Side.
  6. When the WiFi LED is on and no longer blinking, the device is paired and ready for use.
11. Attach cover with the inner boss covering the LED's. Note the unit is symmetric with exception of this inner boss so positioning is critical. Secure the cover utilizing the hardware provided. The cover outer perimeter will become flush with the base when gasket is sufficiently compressed. Do not overtighten.

#### **Using with unit with sensors:**

Auto Mode: Parameters can be set so that the unit will switch on/off based upon temperature or humidity ranges as well as programmed scheduling.

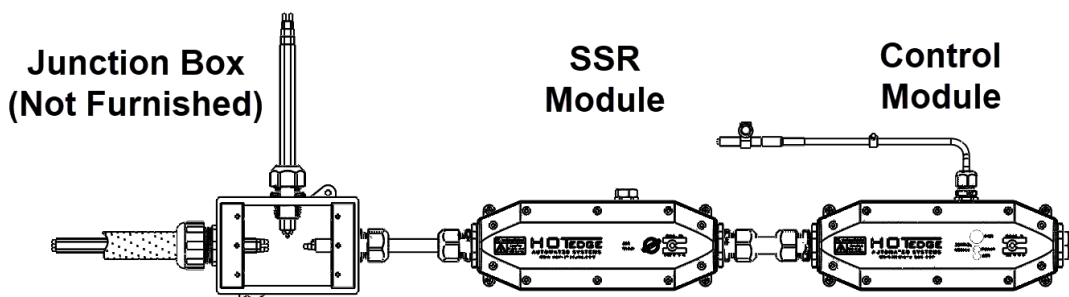
Manual Mode: Temperature and humidity can also be monitored real-time from the unit and switched on/off from your smart phone remotely.

**Miscellaneous Information:**

The device requires one minute for connecting to WiFi and the internet. If the unit is offline for a significant time, ensure the units WiFi LED indicates that it is operable. WiFi LED quickly blinks one time every second.

If WiFi LED blinks twice every second, it has failed to connect to the WiFi server, double check network connection.

The unit is compatible with Amazon Echo, Google Home and Google Nest. Scan the user guide for more information.



Join input (L1 & L2), output (T1 & T2) powers & ground to the HCM using twist-on or similar wire connectors.

SSR Module is factory sealed & compact. Do not open or service this unit.

Control Module is not required to be opened as Pairing Switch is externally accessible & output wires are available at pigtail.