



TEXAS ELECTRONICS, INC.

Series 525 rainfall heater installation and specifications

After sensor is mounted in its permanent location and following the local electrical codes for the particular location, connect to 120vac. The sensor has two heaters, one is attached to the underside of the inner collector funnel and one is attached to the inside lower portion of the sensor housing. These two heaters are connected in series with a thermostat that is positioned near the tipping assembly. When the outside temperature drops to approximately 45° F, the thermostat will start to cycle. It will close for a few seconds at this temperature maintaining the inside temperature on the inside housing. As the temperature continues to drop the thermostat will remain on for longer periods of time and by the time temperature outside is around -35° F, the thermostat will stay closed most of the time. Since electrical codes are different from location to location it is impossible to provide the necessary materials such as conduit, wire and accessories so we have provided a service box attached to the outside of the sensor which has conduit fitting knock-outs on all four sides. A cable gland has been included if codes allow cabling to be run without conduit, also three wire nuts have been provided.

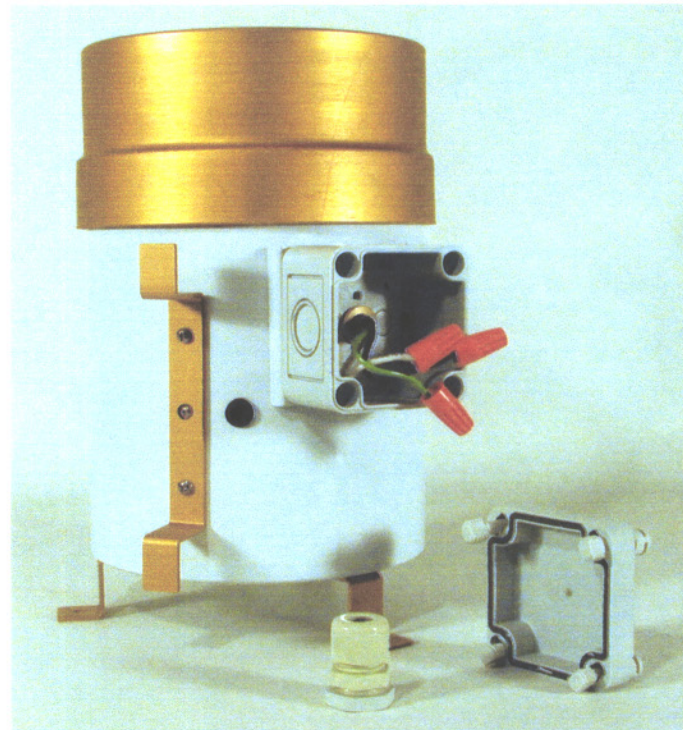
HEATER SPECIFICATIONS

COLLECTOR HEATER:	65 WATTS
HOUSING HEATER:	116 WATTS
COLLECTOR HEATER:	41.3 VOLTS AC
HOUSING HEATER:	73.7 VOLTS AC
COLLECTOR HEATER:	26.2 OHMS
HOUSING HEATER:	46.8 OHMS

**TOTAL AMPERAGE WHEN BOTH HEATERS
ARE WIRED IN SERIES: 1.65 AMPS MAX.**

CONNECTIONS:

Green-----case ground
White- -----neutral
Black-----120 vac



**BE SURE TO REMOVE DEBRIS
SCREEN FROM TOP OF COLLECTOR DURING SNOW OR ICING
CONDITIONS.**