

260-2590 Precipitation Detector

260-2591 Leaf Wetness Sensor

The **Model 260-2590 Precipitation Detector** is used to detect the onset of rainfall. A gold plated grid sensor activates the circuit when water is deposited onto the grid. The presence of water activates an internal relay that may be used to operate larger capacity external relays, alarms, doors, or may be used as an input to a data acquisition system.

An internal heater constantly dries the grid to prevent relay activation during times of dew, fog, or light moisture that is not actual precipitation. During periods of normal precipitation the heater is unable to dry the grid and the relay is activated. The heater power may be disconnected allowing the detector to be operated as a leaf wetness sensor.

The solid state electronics are mounted in a sealed weatherproof enclosure. The precipitation detector may be tilted to allow water to drain off. A mounting bracket is provided with the sensor to allow mounting onto a 1" pipe by a U-bolt. The wind screen may be used to prevent premature drying of the grid during precipitation events accompanied by high winds.

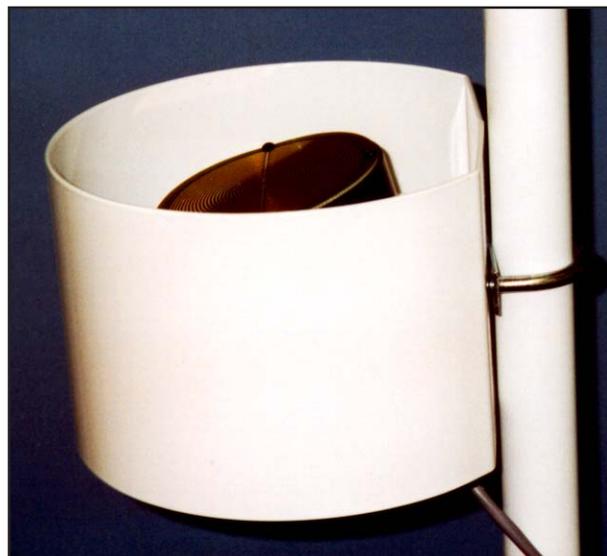
The unit requires +12 Vdc power for operation. A 100-240 Vac power adapter is provided with each unit.

Specifications

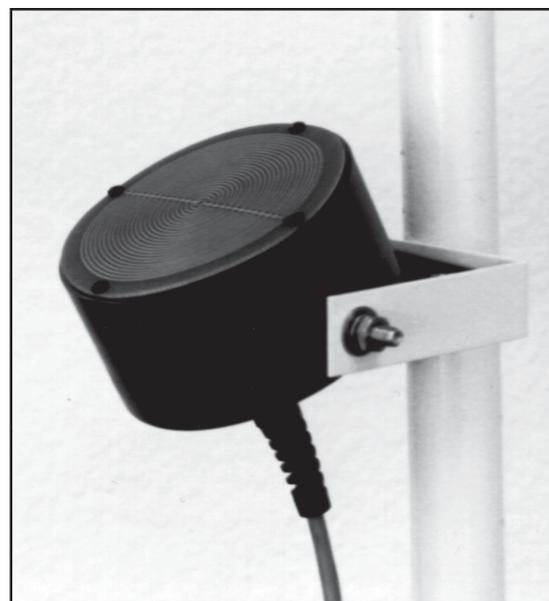
Sensor: Gold plated grid 4" dia
 Output: Relay (0.5 amps)
 Heater: Resistive element
 Power: 12 Vdc (235 mA max.) 100-240 Vac 50-60 Hz adapter supplied
 Size: Overall 4" dia x 2" high
 Weight/shipping: 4 lbs/5 lbs (1.8 Kg/2.3 Kg)

Ordering Information

260-2590	Precipitation Detector, 100-240 Vac, 25' cable
260-2591	Leaf Wetness Sensor, 100-240 Vac, 25' cable
260-2592	Leaf Wetness Sensor with heater control, 100-240 Vac, 25' cable
330-0524	Additional Cable, per foot



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260-2590 Precipitation Dectector shown without wind screen