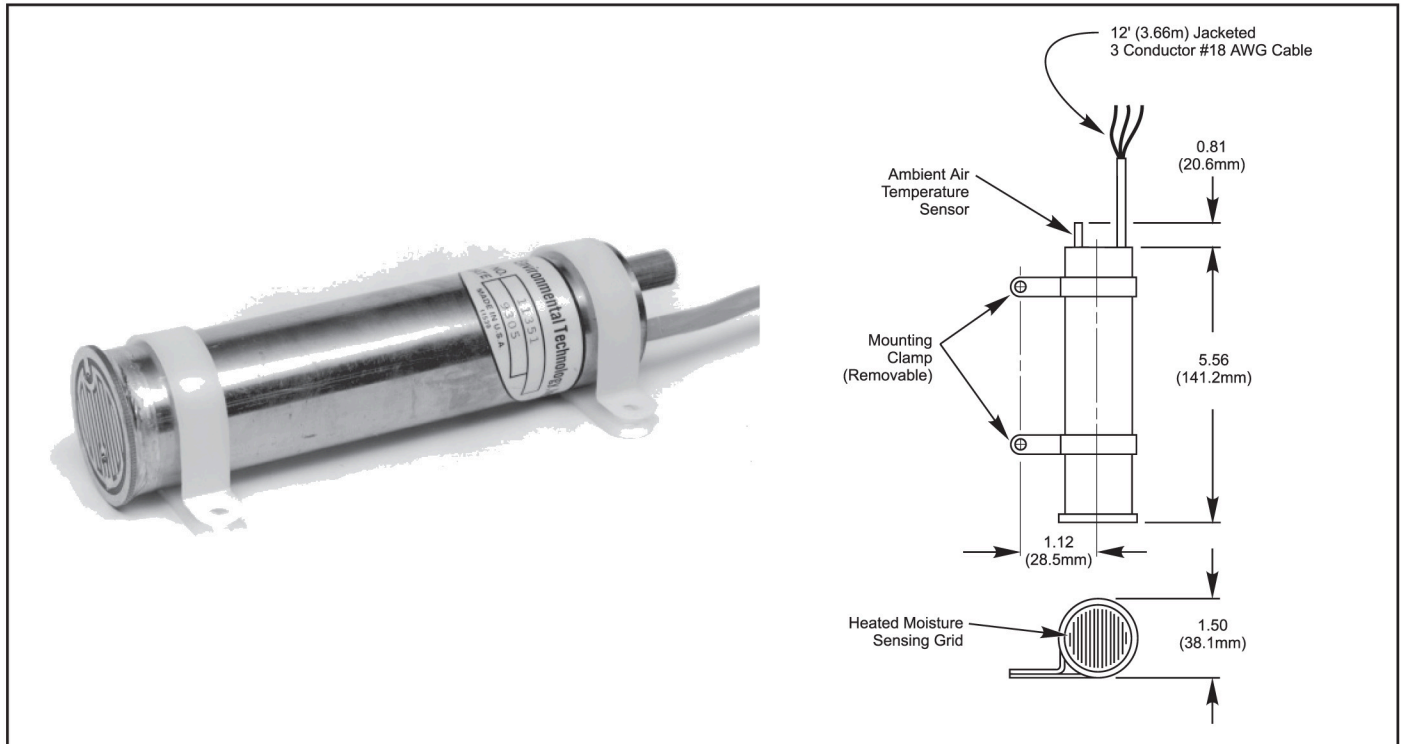


Gutter Ice Sensor

FEATURES & BENEFITS

- Reduces operating cost
- Reliable automatic deicing control
- Senses both moisture and temperature
- Gutter-mounted for accuracy
- Avoids ice bridging
- Rugged housing
- Simple low cost installation
- Field proven reliability



DESCRIPTION

An automatic control system for gutters and downspouts, employs one or more Gutter Ice Sensors and a Snow & Ice Melt Controller. Heaters operate only if moisture occurs at temperatures below 38°F (3.3°C), thus saving energy and ensuring reliable ice melting.

Since the Gutter Ice Sensor mounts in gutters and downspouts it senses actual environmental conditions. This improves sensing accuracy. Solid state moisture and

temperature sensors provide the sensitivity required for effective automatic control.

Ice bridging occurs if incomplete melting occurs near the heater or sensor leaving an air space. The air insulates, thus preventing effective heater and sensor operation. The Gutter Ice Sensor's unique microcontroller design frees its moisture sensor from ice bridging. Additional features prevent heater operation under conditions favorable to heater ice tunnelling.

Low voltage operation simplifies installation. Sensors can be located up to 2,000' (609.6m) away from the control panel.

INSTALLATION

Gutters: Position sensor within 1/4" (6.4mm) of gutter bottom with moisture sensing grid facing downstream (ambient air temperature sensor facing upstream). Sensor may be fastened to the fascia using the mounting clamps and gasketed screws (not furnished).

Downspouts: Fold cable back parallel to sensor body and secure with mounting clamps. Suspend sensor in downspout with moisture sensing grid facing up (ambient air temperature sensor facing down).

