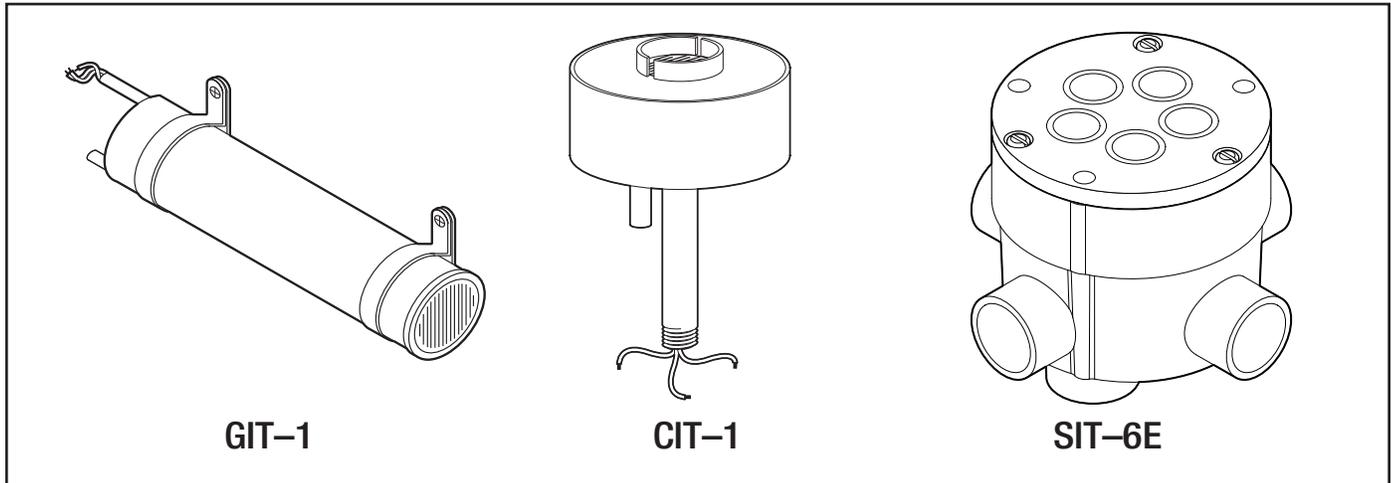


FEATURES & BENEFITS

- Reliable snow sensing
- Senses both temperature and precipitation
- Rugged construction for long, trouble-free life
- Simple, low cost installation
- Low voltage operation
- Application flexibility
- Field proven in thousands of installations
- Gutter-mounted for accuracy
- Avoids ice bridging



DESCRIPTION

The CIT-1, GIT-1 and SIT-6E snow and ice melting sensors combine to reliably detect snow and ice melting in gutter and pavement applications. The CIT-1 sensor may be paired with either the GIT-1 sensor for gutter applications or the SIT-6E sensor for pavement applications. These sensors detect precipitation as snow at temperatures below 38°F (3.3°C). Control panels are signaled only if moisture occurs below this temperature, thus saving energy and ensuring reliable ice melting. They provide the industry's most versatile and cost effective automatic snow melting control when used with any APS or EUR series control panel, new or old.

Reliability and sensitivity are key features in the CIT-1, GIT-1 and SIT-6E sensors. The solid state design, combined with a rugged housing and epoxy potting, ensure many years of trouble free service. Precision

precipitation and temperature sensing provide the sensitivity required for effective automatic control. All three are NEC Class 2 low voltage device which simplifies installation.

The CIT-1, GIT-1 and SIT-6E's unique microcontroller design frees their moisture sensors from ice bridging. Ice bridging happens if incomplete melting occurs near the heater or sensor leaving an air space. The air insulates thus preventing effective heater and sensor operation. Additional features prevent heater operation under conditions favorable to heater ice tunneling.

The GIT-1 mounts directly in gutters and down spouts sensing actual environmental conditions.

The SIT-6E accurately measures pavement temperature while reliably detecting snow and ice conditions on pavement surfaces. A built-in hold-on timer in the SIT-6E keeps heaters operating for an hour after snow stops to help ensure complete snow melting. Mounting these sensors close to the

deicing heaters ensures that pavement and sensor become dry at about the same time.

An adjustable mounting system aligns the SIT-6E with the pavement surface. Six conduit locations add to installation flexibility. The sensor subassembly is field replaceable without disturbing the pavement.

The CIT-1 aerial snow sensor detects falling or blowing precipitation before snow or ice begin to accumulate. This allows the control panel to begin managing the system. This sensor may be roof or mast mounted.

Sensors are easy to install and may be mounted up to 2000' (609 m) from a control panel. A combination of up to six sensors may be used with a control panel to best match site performance requirements.

For complete information describing applications, installation and features, please contact Customer Service or check the web at www.networketi.com.

SPECIFICATIONS

General

Area of Use	
CIT-1	Gutters or Pavement (in conjunction with GIT-1 or SIT-6E)
GIT-1	Gutters
SIT-6E	Pavement
Heater hold-on timer	
CIT-1	None
GIT-1	None
SIT-6E	1 hour
Activation Temperature	38° F (3.37° C)

Connections

Circuit type	NEC Class 2
Supply voltage	24 VAC (Supplied by panel)
Output Signal	Voltage drop
Bus-wire type	3-wire jacketed cable
Lead Length	Up to 2,000' (609m) using 12 AWG 3-wire jacketed cable Up to 500' (152m) using 18 AWG 3-wire jacketed cable

Environmental

Operating temperature	-40°F to 160°F (-40°C to 71°C)
Storage temperature	-50°F to 180°F (-45°C to 82°C)

ORDERING INFORMATION

Order Number	Description
10001	CIT-1 Aerial Snow Sensor
11351	GIT-1 Gutter Ice Sensor
24219	SIT-6E Pavement-Mounted Sensor (requires 23832 Pavement Sensor Housing)

Compatible Control Panels (Required; Not Included)

22595	APS-3C Snow Switch
22597	APS-4C Snow Switch
21497	EUR-5A Snow Switch
23738	PD Pro Snow Switch
23920	GF Pro Snow Switch

*Order number dependant on voltage. Please consult Customer Service.

LIMITED WARRANTY

ETI's two year limited warranty covering defects in workmanship and materials applies. Contact Customer Service for complete warranty information.

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