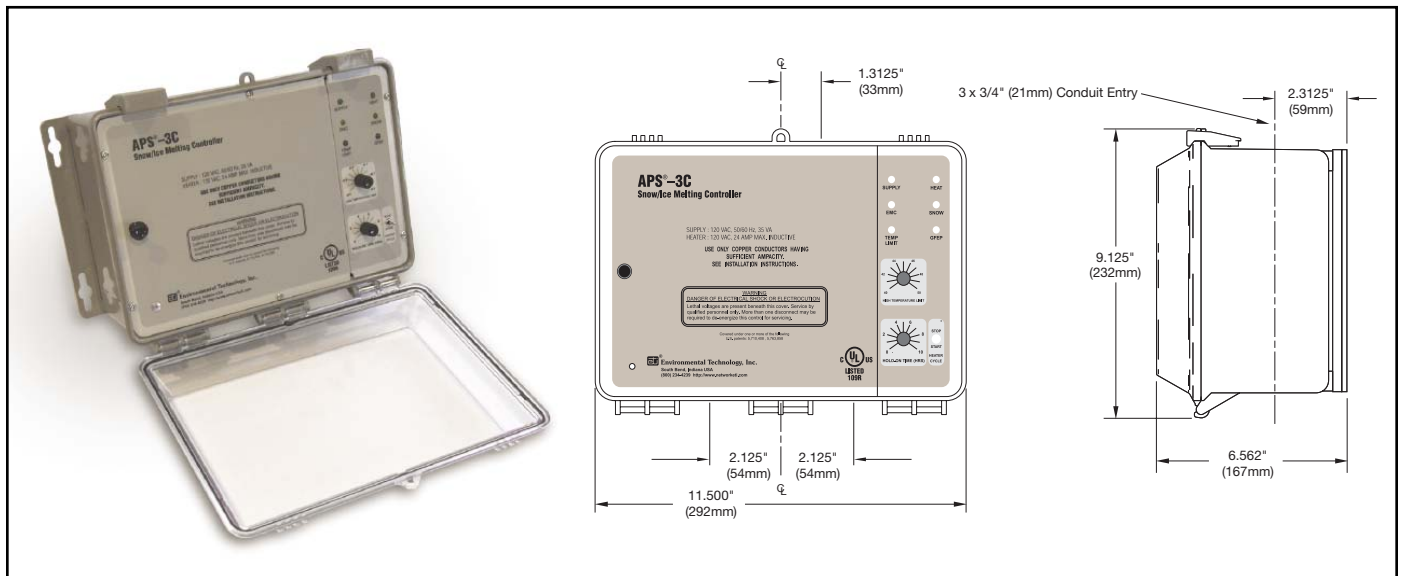


FEATURES & BENEFITS

- Automatic snow/ice melting control
- Operates electrically- and mechanically- held contactors for pilot duty applications
- Energy management computer (EMC) interface
- Accommodates MI, constant wattage and self-limiting heaters
- Multiple sensor capability
- Heater hold-on and test capabilities
- C-UL-US
- Simple to install and operate
- Low system costs
- Minimum energy costs



DESCRIPTION

The APS-3C Snow Switch when used with compatible sensors automatically controls snow/ice melting heaters, ensuring minimum operating costs. Typical applications include pavement, sidewalk, loading dock, roof, gutter and down spout snow/ice melting. The APS-3C is interchangeable with earlier APS-3 models.

The adjustable hold-on timer continues heater operation for up to 10 hours after snow stops to ensure complete melting. The RCU-3 Remote Control Unit supplied is located where system operation can be conveniently observed. It duplicates many of the

controls and indicators on the APS-3C front panel. It is used to clear tracked and drifting snow that may not land on a sensor.

The calibrated 40°F to 50°F (4°C to 10°C) high limit thermostat prevents excessive temperatures when using constant wattage and MI heaters. It also permits safe testing at outdoor temperatures too high for continuous heater operation. The temperature sensor is included.

The APS-3C provides a relay closure interface for use with energy management computers (EMC). This feature can also be used for general purpose remote control and

annunciation and other advanced applications.

All sensor and communications wiring is NEC Class 2. This simplifies installation while enhancing fire and shock safety. The APS-3C can interface up to six sensors from the CIT-1 product family. More sensors provides superior performance by better matching the controller to site performance requirements.

The APS-3C is an exceptionally capable deicing controller. For complete information describing its application, installation and features, please contact Customer Service or check on the web at www.networketi.com.

SPECIFICATIONS

General

Area of use	Nonhazardous locations
Approvals	 Type 873 Temperature Regulating Equipment

Enclosure

Protection	NEMA 3R
Cover attachment	Hinged polycarbonate cover, lockable
Entries	3 × 3/4" entries
Material	Polycarbonate
Mounting	Wall mounted

Control

Supply voltage	ETI PN 22470: 120 VAC 50/60 Hz ETI PN 22471: 208/240 VAC 50/60 Hz
Contact type	Form C
Maximum Ratings	Voltage: 240 VAC Current: 24 amps
Heater hold-on timer	0 to 10 hours; actuated by snow stopping or toggle switch
System test	Switch toggles the heater contact on and off. If temperature exceeds high limit, heater cycles to prevent damage.

Snow/Ice Sensors

Sensor type	Up to 6 sensors from the CIT-1 product family
Circuit type	NEC Class 2
Lead length	Up to 500' (152m) using 18 AWG 3-wire jacketed cable Up to 2,000' (609m) using 12 AWG 3-wire jacketed cable

High Limit Thermostat

Adjustment range	40°F to 50°F (4°C to 10°C)
Dead band	1°F (0.6°C)
Sensor type	Thermistor network
Circuit type	NEC Class 2
Lead length	Up to 500' (152m) using 18 AWG 3-wire jacketed cable Up to 1,000' (504m) using 12 AWG 3-wire jacketed cable

Energy Management Computer (EMC) Interface

Inputs	OVERRIDE ON (10 ma dry switch contact) OVERRIDE OFF (10 ma dry switch contact)
Outputs	SUPPLY (10 ma dry switch contact) SNOW (10 ma dry switch contact) HEAT (10 ma dry switch contact) HIGH TEMP (10 ma dry switch contact) REMOTE (10 ma dry switch contact)

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
22470	APS-3C Control Panel, 120 VAC
22471	APS-3C Control Panel, 208/240 VAC
Accessories	
21357	RCU-3 Remote Control (Qty 1 included)
19272	High Temperature Sensor w/ 20' (6m) lead (Qty 1 included)
22690	PTS-100 Embedded Temperature Sensor (Optional)
Snow/Ice Sensors (Not Included)	
10001	CIT-1 Aerial Snow Sensor
11351	GIT-1 Gutter Ice Sensor
20756	SIT-6E Pavement Mounted Snow/Ice Sensor

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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