SCP-120

PREMIUM SNOW MELT CONTROL

FEATURES & BENEFITS

› **Automatic snow/ice melting control**

› **Operates electrically and mechanically held contactors for pilot duty applications**

› **Energy management computer (EMC) interface**

› **Accommodates constant wattage and self-regulating heating cables or mats**

› **Multiple sensor capability**

› **Heater hold-on and test capabilities**

› **Manual over-ride**

› **C-UL-US**

› **Simple to install and operate**

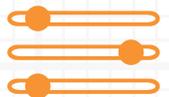› **Low system costs**

› **Minimum energy cost**

Energy Efficient

Provides maximum control of your heated driveway, walkway or stairway.

Includes a hold-on timer to keep the system on for up to 10 hours after snowfall has stopped.

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SCP-120

PREMIUM SNOW MELT CONTROL

About the Premium Snow Melt Control

The Premium snow melt control when used with compatible sensors automatically controls snow/ice melting heaters, ensuring minimum operating costs. Typical applications include pavement, sidewalks and loading docks. The adjustable hold-on timer continues heater operation for up to 10 hours after snow stops to ensure complete melting.

The optional Remote Control Unit can be located where system operation can be conveniently observed. The calibrated 40°F to 90°F (4°C to 32°C) high limit thermostat prevents un-necessary activation when using constant wattage heating cables or mats. It also permits safe testing at outdoor temperatures too high for continuous heater operation. The High Limit Temperature Sensor is included. The SCP-120 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 SCP-120 can interface up to six sensors (Aerial or Gutter sensors) from the product family. Using more sensors provides superior performance by better matching the controller to site performance requirements. The SCP-120 is an exceptionally capable deicing controller.
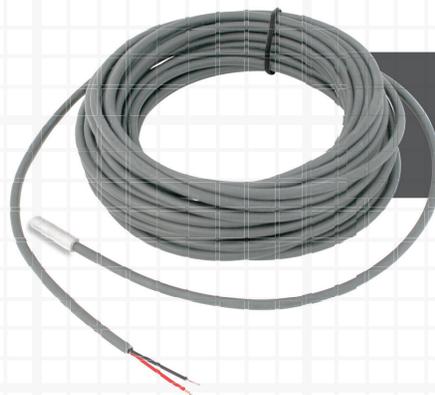
PRODUCTS

SCP-120
Premium Snow
Melt Control

AIR-SS-2
Aerial
Snow Sensor

Remote
Control
Override

High Limit
Temperature
Sensor

SCP-120

PREMIUM SNOW MELT CONTROL

Specifications

General
Area of use	Nonhazardous locations
Approvals	109R Type 873 Temperature Regulating Equipment

Enclosure
Protection	NEMA 3R
Cover attachment	polycarbonate cover, lockable
Entries	3 × 1-1/16" entries
Material	Polycarbonate
Mounting	Wall mounted

Control
Supply	120 VAC, 50/60 Hz, 35 VA
Load	120 VAC, 24 amp max. inductive
Contact type	Form C
Maximum Ratings	Voltage: 120 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
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 90°F (4°C to 32°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 2-wire jacketed cable, Up to 1,000' (304m) using 12 AWG 2-wire jacketed cable

Energy Management Computer (EMC) Interface
Inputs	OVERRIDE OFF (10 ma dry switch contact)
	OVERRIDE ON (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) ALARM (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)

*Conduit Entry 3 x 1-1/16" (27mm)

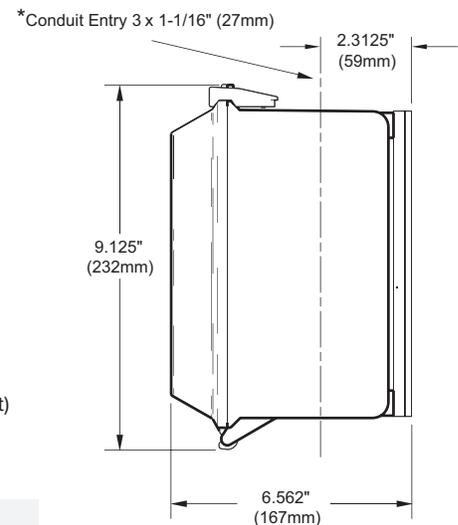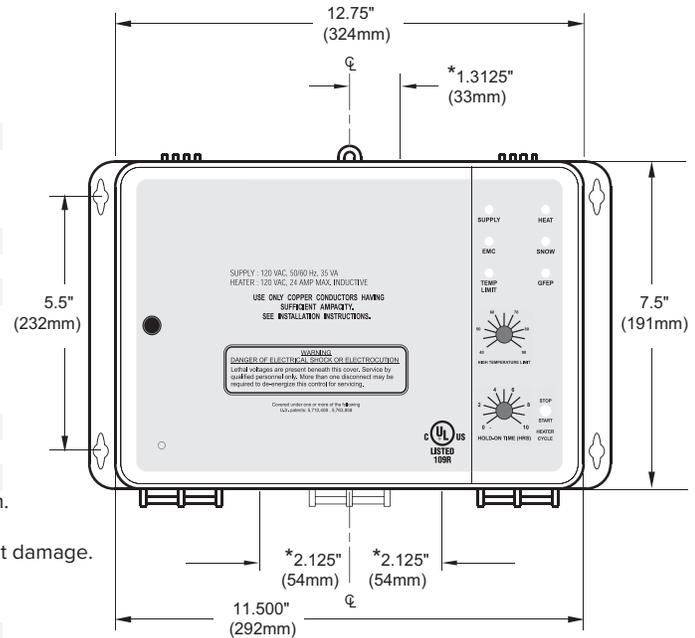## ORDERING

Accessories
RCO	Manual Override Remote Control (Optional)
SCP-120-RP-HTLS	High Temperature Limit Sensor with 20' (6m) lead (qty. 1 included)

Snow/Ice Sensors (Not Included)
AIR-SS-2	Aerial-Mounted Snow Sensor

LIMITED WARRANTY
WarmlyYours' two year limited warranty covering defects in workmanship and materials applies.
Contact Warmly Yours at (800) 875-5285 or go to www.WarmlyYours.com for complete information

For more information, operating and technical manuals, please refer to www.warmlyyours.com.

Product specifications are subject to change.