



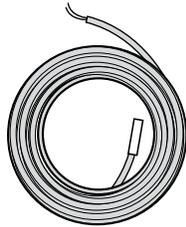
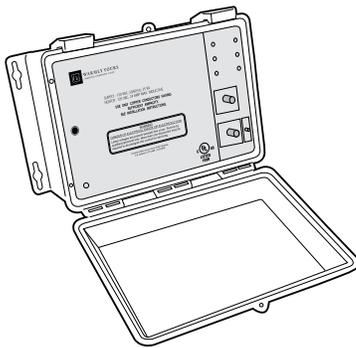
WarmlyYours

Be Connected.  
Be Warm. Be Radiant.

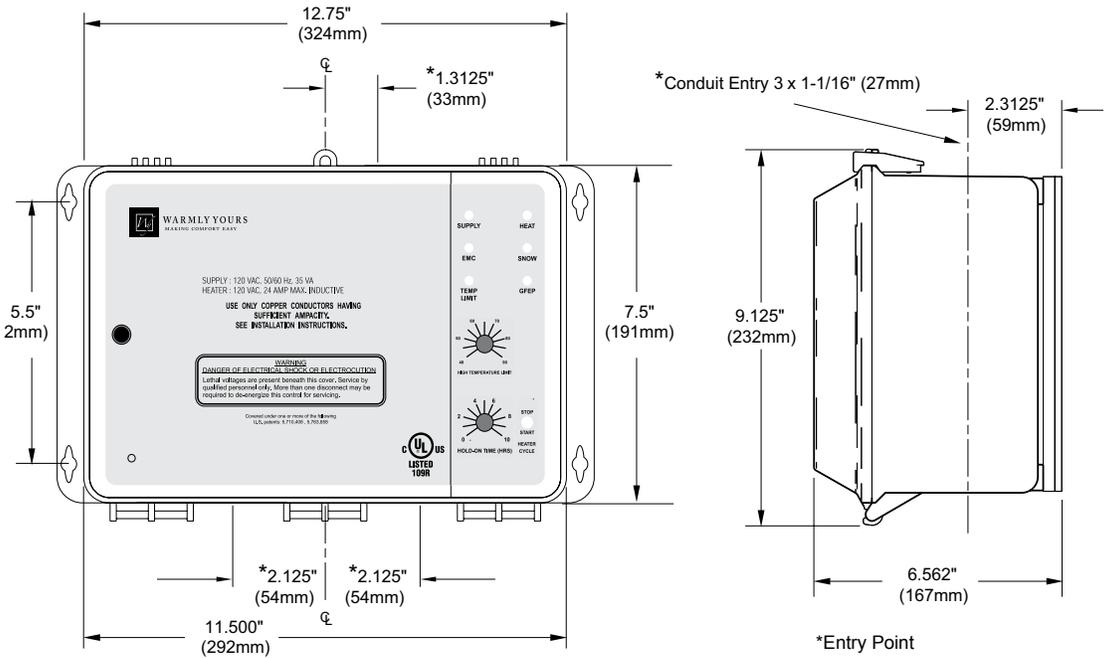
# Premium Snow Melt Control MODEL SCP-120

## 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
- 120 VAC operation voltage
- Multiple sensor capability
- Heater hold-on and test capabilities
- CSA Certified for use in Canada and U.S.
- Simple to install and operate
- Low system costs
- Minimum energy costs



\*\*High Limit Sensor Probe  
(one sensor included per control)



## DESCRIPTION

The SCP-120 Snow Melt Control, when used with compatible sensors, automatically controls snow/ice melting heaters, ensuring minimum operating costs. Typical applications include driveways, sidewalks, loading docks and stairs.

The adjustable hold-on timer continues heater operation for up to 10 hours after snowfall stops to ensure complete melting. The optional Remote Control Override RCO, can be located where system operation can be conveniently observed. It duplicates many of the controls and indicators on the SPC-120 front panel. It is used to clear tracked and drifting snow that may not land on a sensor.

\*\*The calibrated 40°F to 90°F (4°C to 32°C) high limit Thermistor probe sensor (included) prevents excessive temperatures when using constant wattage and MI heaters. For testing the sensor, acceptable range is +/- 100,000 Ohms depending on temperature. It also permits safe testing at outdoor temperatures too high for continuous heater operation.

The SPC-120 provides a relay closure interface for use with Energy Management Computers (EMC). This feature can also be used for general purpose remote control, annunciation and other advanced applications.

All sensor and communications wiring is NEC Class 2. This simplifies installation while enhancing fire and shock safety. The SPC-120 can interface with up to six sensors from the AIR-SS product family. Using more sensors provides superior performance by better matching the controller to site performance requirements.

The SPC-120 is an exceptionally capable deicing controller. For complete information describing its application, installation and features, please contact Customer Service or check on the web [www.WarmlyYours.com](http://www.WarmlyYours.com). UL Listed for use in Canada and U.S. Markets.



# 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 × 1-1/16"  
Material . . . . . Polycarbonate  
Mounting . . . . . Wall mounted

## Control

Supply . . . . . 120 VAC, 50/60HZ, 35VA  
Load . . . . . Load switching provided by Relay Panel (sold separately)  
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 AIR-SS 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 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 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)  
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)

# ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION	ACCESSORIES
SCP-120	PREMIUM SNOW MELT CONTROL	RCO REMOTE CONTROL OVERRIDE (OPTIONAL) AIR-SS-2 AERIAL-MOUNTED SNOW SENSORS (SOLD SEPARATELY)

## LIMITED WARRANTY

WarmlyYours 2-year limited warranty covering defects in workmanship and materials applies. Contact your Account Manager for complete warranty information.

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