

# SCP-120

# PREMIUM ROOF & GUTTER CONTROL

## FEATURES & BENEFITS

- Automatic Roof and Gutter deicing control
- Operates electrically and mechanically held contactors for pilot duty applications
- Energy management computer (EMC) interface
- Accommodates constant wattage and self-regulating heating cables
- 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

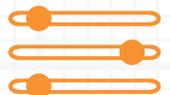


Energy Efficient



Provides maximum control of your heated Roof and Gutter deicing system.

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



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## About the Premium Roof and Gutter Deicing Control

The SCP-120 premium, automatic roof and gutter deicing control when used with compatible sensors automatically controls snow/ice melting heaters, ensuring minimum operating costs. For use with WarmlyYours roof and gutter deicing systems (with the AIR-SS and/or GTR-SS sensor), it operates electrically- and mechanically-held contactors for pilot duty applications. The adjustable hold-on timer continues heater operation for up to 10 hours to ensure complete melting.

The optional Remote Control Unit can be located where system operation can be conveniently observed. 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.

The SCP-120 premium snow melt control features a UL-Listed, wall-mounted NEMA 3R enclosure. CSA Certified for use in Canada and the U.S.

## PRODUCTS



**SCP-120**  
Premium Roof &  
GutterControl



**AIR-SS-2**  
Aerial Mounted  
Snow Sensor



**RCO**  
Remote Controlled  
Override



**GTR-SS** Gutter  
Mounted  
Ice Sensor

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## 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

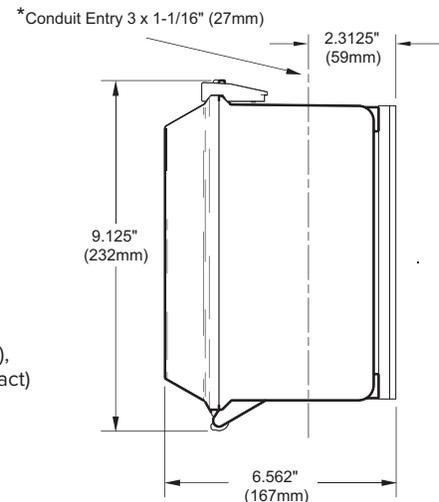
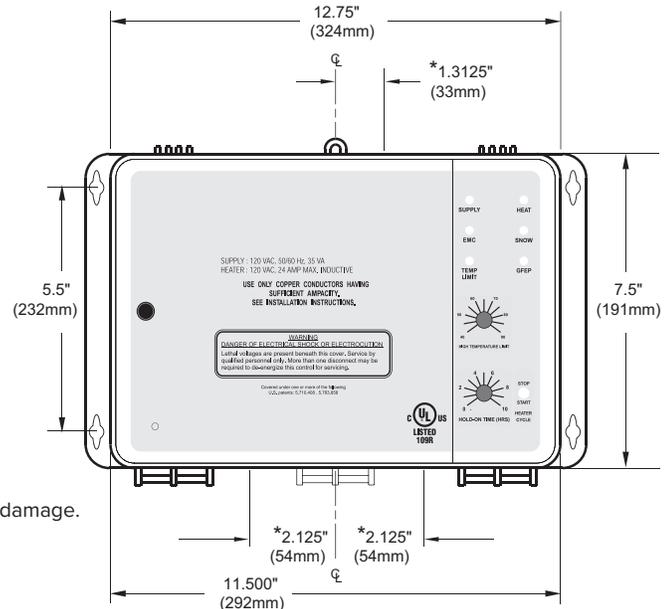
Adjustment range 40°F to 90°F (4°C to 32°C)  
 Dead band 1°F (0.6°C)  
 Sensor type Thermistor network  
 Circuit type NEC Class 2  
 Lead length Up to 500' (152m) using 18 AWG 2-wire jacketed cable,  
 Up to 1,000' (304m) using 12 AWG 2-wire jacketed cable

### 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)



## 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  
 GTR\_SS Gutter Mounted Ice 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](http://www.warmlyyours.com).

\*Product specifications are subject to change.