

EasyHeat™ Roof and Gutter De-Icing Controls

Roof and Gutter De-Icing. For Residential and Commercial Applications.

Product Overview

- EasyHeat™ roof and gutter de-icing controls are designed to sense both moisture and temperature, and manufactured for use with our roof and gutter de-icing heating cables.

Roof Sentry RS2

- The Roof Sentry RS2 unit automatically controls operation of ADKS and 120 Vac PSR electric roof de-icing cables.
- Automatic control requires two conditions to be present before it energizes roof de-icing cable:
 - Cold temperatures below +40°F (+40°C)
 - Presence of run-off water from the roof in contact with the sensor wire
- Measures both temperature and moisture to turn the system on or off in response to changing weather conditions.
- Rated at 10 Amps at 120 Vac.
- Supplied with 10 ft (3m) of connection wire.
- Operating temperature: -40°F to +150°F (-40°C to +65°C)
- Storage temperature: -40°F to +150°F (-40°C to +65°C)
- One year limited warranty.

MSC1 Controller

- Commercial grade unit suitable for controlling snow and ice melting in gutters and downspouts.
- For use with all SR heating cables.
- MSC1 control panel is capable of monitoring snow/ice accumulation in three separate snow melting application zones and issuing separate control signals for each zone.
- NEMA 4, 4X enclosure for commercial/industrial indoor applications.
- LCD display, programming and associated indicator lights, confirming the operation of each zone.
- Includes TS1 temperature sensor.
- Voltage: 120 Vac
- Operating temperature: -4°F to +160°F (-20°C to +70°C)
- Storage temperature: -4°F to +185°F (-20°C to +85°C)
- One year limited warranty.

GC1 Controller

- Designed to energize the heating cable only when moisture conditions exist and there is a risk of freezing.
- For use with all SR and 240 Vac PSR heating cables.
- Controller applies power to the heating cable if the temperature is below +38°F (+3°C).
- Built in temperature sensor. Includes MSG1 Moisture Sensor.
- Voltage: 120, 208, 240 or 277 Vac
- Current: 24 Amps maximum at 277 Vac
- Operating temperature: -40°F to +150°F (-40°C to +65°C)
- Storage temperature: -40°F to +150°F (-40°C to +65°C)
- One year limited warranty.

Certifications

- RS2 is CSA Certified.
- MSC1 and GC1 controllers are UL Listed to US and Canadian Safety Standards.



Roof Sentry RS2



MSC1 Controller



GC1 Controller



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Product Selection

Catalog Number	Description	Carton Quantity	Carton Weight lb (kg)	UPC
RS2	Roof Sentry control	5	10 (4.5)	01362709862
GC1	Rain/snow sensor controller	1	3 (1.4)	01362701508
MSC1	Controller (with TS1)	1	8.5 (3.9)	01362701500
MSCG1 ①	Controller, TS1, MSG1	1	11 (5.0)	01362701507

① System package for MSC

EasyHeat™ Roof and Gutter De-Icing Controls

Roof and Gutter De-Icing, MSC1 Control Sensors. For Residential and Commercial Applications.

Product Overview

- EasyHeat™ roof and gutter de-icing control sensors are designed to sense moisture or temperature, and are manufactured for use with our roof and gutter de-icing controls.

MSG1 Gutter Moisture Sensor

- Detects moisture on roofs and in gutters.
- Supplied with 10 ft (3 m) of connection wire.
- Roof moisture detection is made with the unique sensor wire design.
- Gutter moisture detection is made by the sensing grid on the bottom on the housing.
- The combination roof and gutter detection system assures detection of moisture and minimizes potential for ice dam formation.
- Operating temperature: -40°F to +160°F (-40°C to +70°C)
- Storage temperature: -40°F to +160°F (-40°C to +70°C)
- Voltage: 24 Vac
- Current: 500 mA

MSA1 Aerial Moisture Sensor

- Detects falling or blowing snow coming in contact with the sensor grid, then sends a signal to the MSC-1 to energize heating equipment.
- Supplied with 10 ft (3 m) of connection wire that can be extended up to 152 m (500 ft) with an appropriately rated 18-20 AWG 3 wire unshielded stranded cable.
- Voltage: 24 Vac
- Current: 500 mA
- Operating temperature: -40°F to +160°F (-40°C to +70°C)
- Storage temperature: -40°F to +160°F (-40°C to +70°C)
- One year limited warranty.

TS1 Temperature Sensor

- Replacement TS1 temperature sensor.
- Measures ambient temperatures.
- Supplied with 10 ft (3 m) of connection wire which can be extended up to 500 ft (152 m) with an appropriately rated 18-20 AWG 3 wire unshielded stranded cable.
- Voltage: 120 Vac
- Current: 16 mA
- Operating temperature: -40°F to +150°F (-40°C to +65°C)
- Storage temperature: -49°F to +160°F (-45°C to +70°C)
- One year limited warranty.



MSG1 Gutter Moisture Sensor



MSA1 Aerial Moisture Sensor



TS1 Temperature Sensor

Certifications

- UL Listed to US and Canadian Safety Standards.

Product Selection

Catalog Number	Description	Carton Quantity	Carton Weight lb (kg)	UPC
MSA1	Aerial sensor	1	2 (0.9)	01362701501
MSG1	Gutter sensor	1	2 (0.9)	01362701502
TS1	Replacement temperature sensor	1	1.5 (0.7)	01362701504