EasyHeat™ Snow Melting Controls

Snow Melting. For Commercial Applications.

Product Overview

- EasyHeat™ snow melting controls are designed and manufactured for use of controlling snow melting cables and mats.

SA1 Automatic Snow/Ice Melting Controller

- Uses microcontroller technology to energize the heating cable only when specific conditions of temperature and moisture exist.
- LED indicator indicates when system is operating, and also when sensor needs to be cleaned.
- Voltage: 120 Vac
- Current: 16 Amps
- 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.



SA1 Automatic Snow/Ice Melting Controller

MSC1 Controller

- Commercial grade unit suitable for controlling snow and ice melting off sidewalks, and driveways.
- 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.



MSC1 Controller

MSA1 Aerial Moisture Sensor

- Must be used in conjunction with the MSC1 Controller.
- Detects falling or blowing snow coming in contact with the sensor grid, then sends a signal to the MSC1 to energize heating equipment.
- Supplied with connection wire that can be extended up to 500 ft (152 m) with an appropriately rated 18-20 AWG 3 wire unshielded stranded cable.
- Voltage: 24 Vac
- Current: 500 mA
- Operating and storage temperature: -40 °F to +160 °F (-40 °C to +70 °C)
- One year limited warranty.



MSA1 Aerial Moisture Sensor

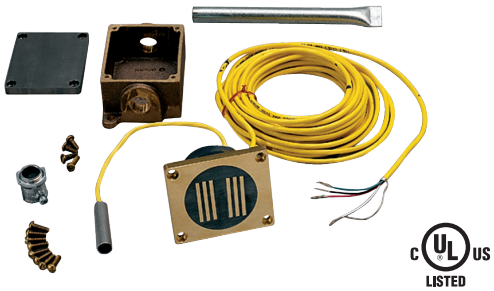
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MSP1 Sensor

- Must be used in conjunction with the MSC1 Controller.
- Encased within a rugged enclosure and is designed to be embedded in the surface.
- Comes with 30 ft (9 m) of wire for connection back to the MSC1 control unit.
- Embedded pavement sensor monitors slab temperature to ensure optimum energy savings.
- Supplied with a protective field cover to simplify asphalt or concrete installations.
- 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.



MSP1 Sensor

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.



TS1 Temperature Sensor

PC Series Magnetic Power Contactors

- Resistance rated and may be utilized to switch or interrupt high voltage and/or high current loads with low voltage control devices.
- Contactors are supplied in a NEMA type 1 general purpose enclosure.
- One year limited warranty.



PC Series Magnetic Power Contactors

Certifications

- The following controllers are UL Listed to US and Canadian Safety Standards:
  - — MSC1
  - — MSP1
  - — MSA1
  - — MSG1
  - — SA1
  - — TS1
  - — MSCA1
  - — MSCP1
- All PC Series units are CSA Certified and UL recognized and are complete with a NEMA 1 enclosure.

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Product Selection

Catalog Number	Description	Carton Quantity	Carton Weight lb (kg)	UPC
MSC1	Controller (with TS1)	1	8.5 (3.9)	01362701500
MSA1	Aerial sensor	1	2.0 (0.9)	01362701501
MSP1	In-ground sensor	1	6.5 (2.9)	01362701503
SA1	Small system automatic control	1	1.5 (0.7)	01362709935
TS1	Replacement temperature sensor	1	1.5 (0.7)	01362701504
MSCA1 ①	Controller, TS1, MSA1	1	11.0 (5.0)	01362701505
MSCP1 ①	Controller, TS1, MSP1	1	11.0 (5.0)	01362701506
PC403F	Magnetic power contactor, 40 Amps, 120 Vac	1	4.4 (2.0)	01362709828
PC403G	Magnetic power contactor, 40 Amps, 240 Vac	1	4.4 (2.0)	01362709829
PC503F	Magnetic power contactor, 50 Amps, 120 Vac	1	4.4 (2.0)	01362709831
PC503G	Magnetic power contactor, 50 Amps, 240 Vac	1	4.4 (2.0)	01362709832
PC603F	Magnetic power contactor, 62 Amps, 120 Vac	1	4.8 (2.2)	01362709837
PC603G	Magnetic power contactor, 62 Amps, 240 Vac	1	4.8 (2.2)	01362709838
PC753F	Magnetic power contactor, 75 Amps, 120 Vac	1	4.8 (2.2)	01362709844
PC753G	Magnetic power contactor, 75 Amps, 240 Vac	1	4.8 (2.2)	01362709845
PC933F	Magnetic power contactor, 94 Amps, 120 Vac	1	13.2 (5.9)	01362709852
PC933G	Magnetic power contactor, 94 Amps, 240 Vac	1	13.2 (5.9)	01362709853
PC1123F	Magnetic power contactor, 120 Amps, 120 Vac	1	13.2 (5.9)	01362709855
PC1123G	Magnetic power contactor, 120 Amps, 240 Vac	1	13.2 (5.9)	01362709856

① *System package for MSC.*

EMERSON.

Visit our website at **www.easyheat.com** or contact us at **(800) 621-1506**.
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Snow Melting. For Commercial Applications. Available Exclusively for Canada.

Product Overview

- Our EasyHeat™ snow melting controls, available exclusively for Canada, are designed and manufactured for use of controlling snow melting cables and mats.

SMC54WP Thermostat

- Available exclusively for Canada.
- One control for heating and cooling.
- Rugged, weather-resistant enclosure.
- Performs despite water spray, high humidity, airborne contaminates and moderately corrosive conditions.
- Large, visible dial to make set point temperatures clear.
- Reliable SPDT switch.
- Voltage: 120, 208, 240 or 277 Vac
- Current: 22 Amps
- Operating temperature: -30 °F to +100 °F (-34 °C to +38 °C)
- One year limited warranty.



SMC54WP Thermostat

SMC51/SMC52 Thermostat

- Available exclusively for Canada.
- Universal mounting bracket is available for easy replacement.
- Control setpoint is dial-knob adjustable.
- Models are available with fixed or adjustable temperature differentials.
- Reliable SPDT switch.
- Ambient temperature compensated.
- Voltage: 120 or 240 Vac
- Current: 8 Amps
- Operating temperature: -30 °F to +90 °F (-34 °C to +32 °C)
- One year limited warranty.



SMC51/SMC52 Thermostat

Certifications

- SMC51, SMC52 and SMC54WP thermostats are UL and CSA Certified.

Product Selection

Catalog Number	Description	Carton Quantity	Carton Weight lb (kg)	UPC
SMC51	Indoor thermostat with 8 ft (2.40 m) capillary	1	2.0 (0.9)	01362700129
SMC52	Indoor thermostat with 20 ft (6.10 m) capillary	1	2.0 (0.9)	01362700214
SMC54WP	Weatherproof thermostat	1	2.0 (0.9)	01362716918

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