

# 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.

### MSC1 Controller

- Commercial grade unit suitable for controlling snow and ice melting off sidewalks, and driveways.
- MSC1 control panel is capable of monitoring and controlling snow/ice accumulation, up to three separate using available sensor options.
- 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.

### 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 152 m (500 ft) 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.



SA1 Automatic Snow/Ice Melting Controller



MSC1 Controller



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 assure 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

### 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.



PC Series Magnetic Power Contactors

### 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.

### 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