

LCD-8 Configurable Aerial Snow Melting Controller



- **Automatic Snow and Ice Melting Controller Minimizes Operating Costs**
- **Automatic Voltage Selection Operates from 120 Vac – 240 Vac**
- **24 Vac Model Available for Hydronic and Building Automation Applications**
- **Adjustable Hold-On Time and Temperature Set Point Provides Flexibility for a Wide Range of Applications**
- **Rated for up to 3 Amp Inductive Loads for Pilot Duty Applications and Resistive Loads up to 16 Amps**
- **Weather-Resistant NEMA 3R Enclosure**
- **Hold-On Timer Continues Heater Operation After Snow Stops to Ensure Complete Melting**
- **Sno-Test™ Automatic Testing and Manual Heater Cycle for System Testing**
- **Simple Four-Wire Installation**
- **C-UL-US Listed for Temperature Regulating Equipment**

Description

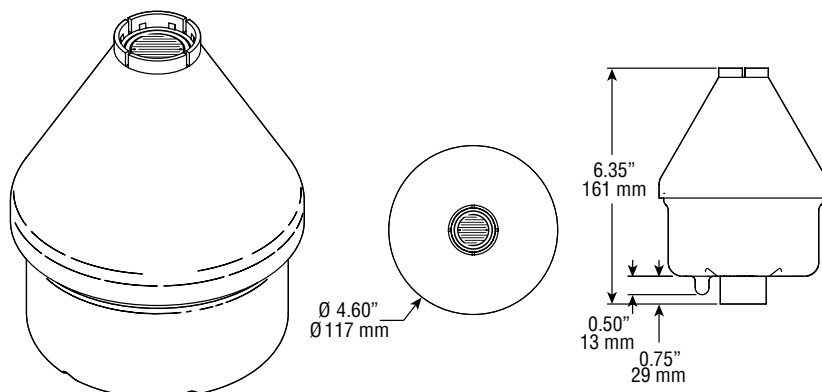
The Snow Switch Model LCD-8 configurable aerial snow melting controller makes automatic snow melting a cost effective alternative in even the smallest applications. Heaters operate at temperatures below the set point, 38°F (3.3°C) default, only when required. The adjustable hold-on period, 3 hours default, continues heater operation after snow stops to ensure complete melting. The LCD-8 controller includes an internal magnetic reed switch used for manual heater cycling, as well as configuring the temperature set point and the hold-on time.

The LCD-8 controller operates from either an automatic selecting 100 VAC - 240 VAC or from 24 VAC. These two voltage options combine with the configurable hold-on time and temperature set point to meet the need of a wide number of applications using just two part numbers.

It controls heater loads up to 16 Amps resistive or 3 Amps inductive. The operating temperature range extends from -40°F to 140°F (-40°C to 60°C). The redesigned, patent pending, rugged polycarbonate enclosure provides excellent protection at temperature extremes, while allowing snow to shed to prevent iglooming over the moisture sensor.

The internal magnetic reed switch allows for both configuration and manual heater operation without the need for external switches, which are susceptible to damage, or the need to open the enclosure.

Verifying system functionality after installation or when troubleshooting used to require spray circuit cooler or ice for controller activation. The Sno-Test™ feature eliminates this need by performing a self-test after power application, and operating heaters in a unique pattern for a few seconds. Reading the test results takes only an AC voltmeter or clamp-on ammeter.



LCD-8

Configurable Aerial Snow Melting Controller (*cont'd.*)

General

Area of use..... Nonhazardous locations

Enclosure

Protection NEMA 3R

Cover attachment..... Polycarbonate with machine screws

Entries..... 1 x 3/4" entry (bottom)

Material..... Polycarbonate

Mounting Pole mount

Dimensions..... 4.6" (W) x 6.1" (H) / 117mm (W) x 155mm (H)

Control

Supply voltage Chromalox PCN 389781: 100 VAC – 240 VAC; 50/60 Hz

Load..... 3 amp maximum inductive

16 amp maximum resistive

Heater Hold-On timer 0, 1, 3 (default) or 5 hours; configured by magnetic reed switch

Set point temperature Off (moisture only), 36°F, 38°F (default), 40°F; configured by magnetic reed switch

Interface

Status indicators SUPPLY (green): Power on; will flash while in configuration mode
HEAT (yellow): Heating cycle in progress

Wire and Cable Ratings

Power cable Size for heater load (16 Amps maximum)

Heater cable Size for maximum heater load

Environmental

Operating temperature -40°F to 104°F (-40°C to 40°C)

Storage temperature -67°F to 167°F (-55°C to 75°C)

Specifications and Ordering Information

Model Number	PCN	Stock
LCD-8 Snow Melt Controller	389781	S
Stock Status: S = stock AS = assembly stock NS = non-stock To Order —Specify model, PCN and quantity.		