

ChromaMelt De-Icing Controller



- Automatic Control and Power Distribution for Deicing and Snow Melting
- User Friendly Interface
- Integrated Electronic Controller with Back-lit LCD Display
- Multiple Snow Sensor Input
- Integrated Adjustable Ground fault
- Adjustable Set-points, Upper and Lower Limit Temperature, Hold On/OFF Delay, Manual On and Time Splitting between zones
- Sequencing Zones Option – Enables Larger Snow Melting Area with Reduced Power Consumption on Site
- Technician Testing / Commissioning Mode for a Quick, Easy System Test, All Year Round (even during summer or at high temperature)
- 2, 4, and 5 Contactor Designs
- ETL Certification (US and Canada)



Description

The Chromalox ChromaMelt line of controls offer smart and easy control of a Snow & Ice Melting system. Enable CS-AS (ambient snow sensor) or a 3rd party snow sensor. Upon receiving a signal from a snow sensor/s, the ChromaMelt controller activates contactors, energizing heating elements according to a preset DIP switch configuration. The adjustable hold-on timer continues system operation for up to 10 hours after snow stops to ensure complete snow melting. Typical applications include driveways, sidewalks, loading docks, stairs, pavements and gutters.

ChromaMelt Models

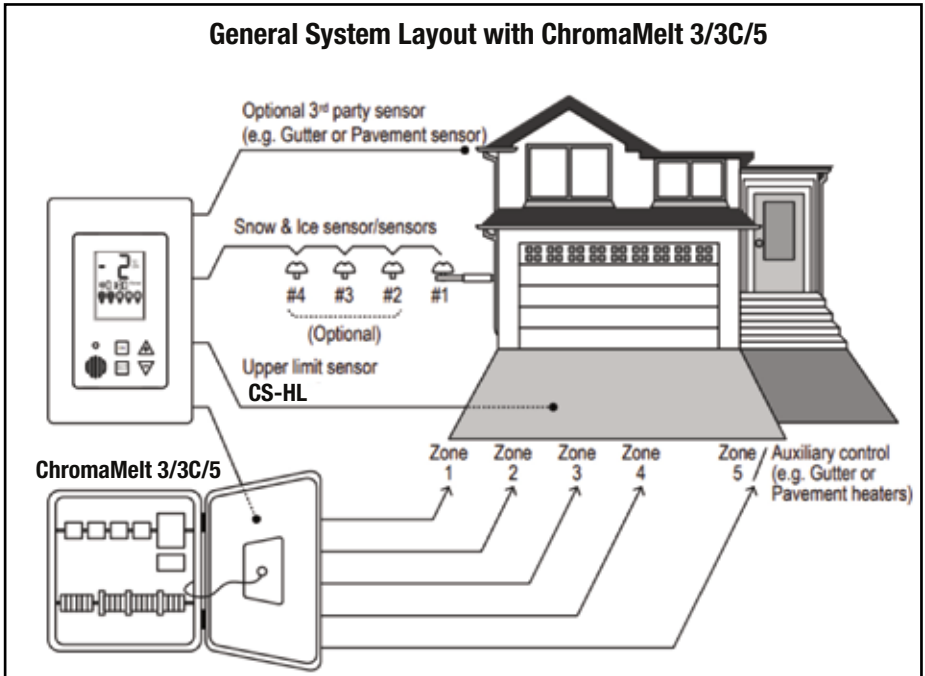
- ChromaMelt3 – Power box with 4 contactors (2p, 30A) up to 277V & 120A output to heaters
- ChromaMelt5 – Power box with 4 contactors (3P, 50A) up to 600V & 300A output to heaters + 1 contactor (2p, 30A)
- ChromaMelt3C – Power box with 2 contactors (3P, 50A) up to 600V & 300A output to heaters + 1 contactor (2p, 30A)

Specifications

ChromaMelt Controller

Indoor Ambient Operating Temperature.....	-10°F to 122°F (-10° C to 50°C)
Power Switching.....	Mechanical
Number of Circuits.....	2 to 12
Capacity.....	Depends on Wiring (See Wiring Manual)
Input Voltage.....	120 - 600 VAC
Heater Voltage.....	120 - 600 VAC
Communications.....	BACnet (optional)
Adjustable Parameters.....	Set-Point, Upper and Lower Limit Temperature, Hold-On/OFF Delay, Manual On time, Zones time splitting between zones

ChromaMelt Snow Melting Controller *(cont'd.)*



Dimensions

		H	W	D
ChromaMelt 3C	Inch	15	11.8	6.1
	cm	380	300	155
ChromaMelt 3	Inch	15	11.8	6.1
	cm	380	300	155
ChromaMelt 5	Inch	18	18	7.9
	cm	500	500	200



Front View



Side View

Ordering Information

Model	Description	Max. Total Amperage	Max. Voltage	PCN
ChromaMelt 3C	Snow Melting Controller, 2 Contactors (2 -3P@ 50A, 1-2P @30A)	300A	600V	512014
ChromaMelt 3	Snow Melting Controller, 4 Contactors (4 -2P@ 30A)	120A	277V	512022
ChromaMelt 5	Snow Melting Controller, 5 Contactors (4 -3P@ 50A, 1-2P @30A)	600A	600V	512030