

THERMWIRE

Chroma-RG-OD Commercial De-Icing Controller

- Automatic Control for Roof and Gutter De-icing
- NEMA 4X Outdoor Rated to -40° F
- 30mA Fixed, Integral Ground Fault Circuit Breaker
- Adjustable Temperature Set-point 45° F to -7° F
- User Friendly Interface
- Multiple Sensors Input – Up to 4 Temperature/Moisture Sensors
- Output Relay 30A @ 120/208/240 VAC
- Integrated Ground Fault Sensor
- Adjustable Hold-On Time Delay Range: 0-99 Hours
- Three Modes of Operation
 - Automatic
 - Manual (ON/OFF)
 - Commissioning
- Technician/Commissioning Mode for Easy and Fast System Testing year Round
- cULus Rated
- ETL Certification (US & Canada)
- RoHS Compliant



Description

The Chroma-RG series of controls is a "Plug and Play" controller for roof and gutter applications. When the snow sensor senses a temperature below the set-point and moisture is present, it activates the contactor energizing the heating elements.

The Technician mode allows installers or technicians to adjust the parameters for customized installations using the electronic controller installed in the front panel. The adjustable Hold-On timer, keeps the outputs to the heaters active to ensure complete freeze protection.

The Hold-On (Time delay) is adjustable in the from 0 to 99 hours. The Chroma-RG Built-in Ground Fault interrupter allows manual reset from the front panel. Three LEDs visible through the transparent plastic cover provides information about the status of the system.

Chroma-RG Models

- Chroma-RG1-OD – Power box with 1 contactor (30A) & 120V output to heaters
- Chroma-RG2-OD – Power box with 1 contactor (30A) & 208/240V output to heaters

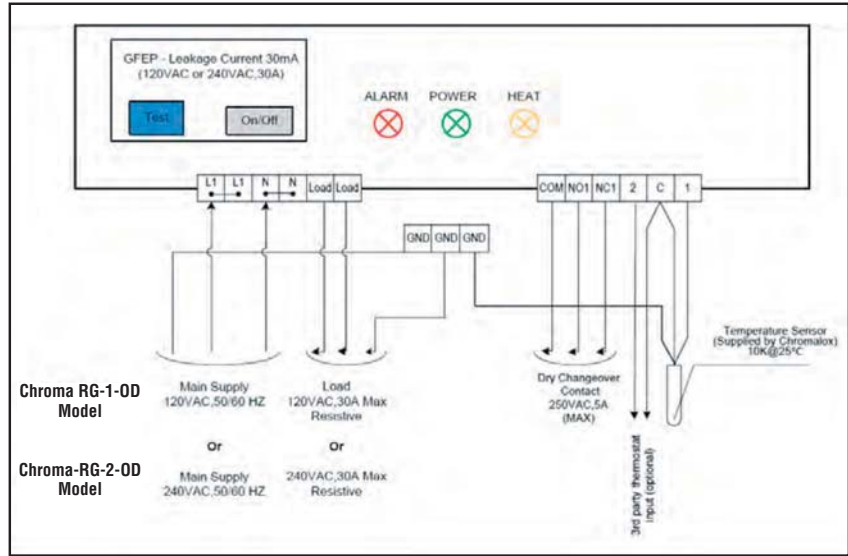
*High temperature limit sensor (GS-HL) included with either unit.

Specifications

| | |
|--|---|
| Outdoor Ambient Operating Temperature..... | -40°F to 122°F (-40° C to 50°C) |
| Power Switching..... | 30A EMR |
| Number of Circuits | 1 |
| Input Voltage..... | 120VAC, 208-240VAC |
| Heater Voltage..... | 120VAC, 208-240VAC |
| Communications..... | Dry Contact Alarm Relay (NO/NC) |
| Adjustable Parameters | Set-Point, Upper and Lower Limit Temperature, Hold-On/OFF Delay, Manual On time, Commissioning/Test Mod |
| Enclosure Rating..... | NEMA 4X/IP67 |

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Chroma-RG-OD Commercial De-Icing Controller *(cont'd.)*



Front View

Dimensions

| Model | Units | H | W | D |
|---------------|-------|-----|-----|-----|
| Chroma-RG1-OD | Inch | 12 | 8 | 5 |
| | cm | 300 | 200 | 130 |
| Chroma-RG2-OD | Inch | 12 | 8 | 5 |
| | cm | 300 | 200 | 130 |



Side View

Order Information

| Model | Description | Max. Total Amperage | Max. Voltage | PCN |
|---------------|---|---------------------|--------------|--------|
| Chroma-RG1-OD | De-Icing Controller, 1 Contactors (1-2P @30A), 120V | 30A | 120V | 515098 |
| Chroma-RG2-OD | De-Icing Controller, 1 Contactors (1-2P @30A), 208/240V | 30A | 240V | 515100 |