

**4214 & 4224 Mini-SCR Power Control Panel**

# 4214 & 4224 Mini SCR Control Panels

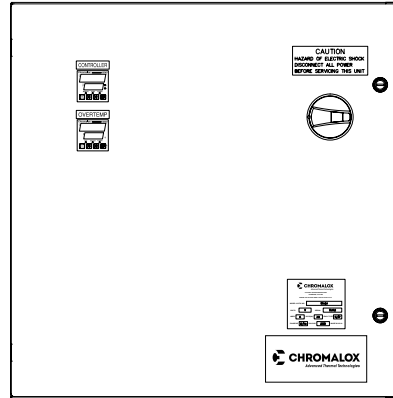
- Model 4214 - One SCR, Single Phase Loads
- Model 4224 - Two SCRs, Three Phase Loads
- Digital Indicating Temperature and Overtemperature Controls
- Compact, Space Efficient NEMA 4 Enclosure
- 40 Amp Shutdown Contactor
- LED Indication of Power On, Heater On, and Overtemperature Alarm
- 208-600 VAC, Three Phase or 120 VAC Single Phase
- Universal Sensor Input Types
- Main Disconnect Switch Option

**In Stock:**

Model	PCN
4224-35111	314771

**Note:** Additional control panel options available. See pages H-143 to H-145.

\* See "Single Channel Controllers" for controller specifications.



**Description**

The Chromalox 4214 and 4224 SCR Control Panels combine full-featured 1/16 DIN, digital-indicating temperature and overtemperature controllers completely assembled, pre-tested and pre-wired in a NEMA 4 enclosure. Installation is easy, requiring only power supply, load and sensor wiring. Drawings for record and installation/operation manuals are also supplied.

**Features**

- Fused Control Power Transformer
- LED Indication of Power On, Heater On, and Overtemperature Alarm
- 40 Amp Shutdown Contactor
- Universal Sensor Input
- Options:
  - Main Disconnect
  - Ground Fault Monitor for Equipment Protection
  - Enclosure Heater for Anti-Condensation and Instrument Protection in Ambient Temperatures as low as 0°F

**Ordering Information**

Complete the Model Number using the Matrix provided.

**Model**

**4214 Single Phase Zero Fired SCR Power Control Panel**

**Panel Configuration**

Single Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4 rated Enclosure for Indoor/Outdoor Applications, Three-Pole Shutdown Contactor, SSR for Power Switching with I<sup>2</sup>t Fusing. Options Include: Process Controller, Hi-limit Controllers, Ground Fault Monitor, Disconnect Switch, and Cabinet Heater.

Code	Current @ 40°C (104°F) Ambient with no Solar Load	Enclosure Dimensions
3	30	(16"H x 16"W x 6"D)

Code	Voltage
0	120 VAC
1	208 VAC
2	240 VAC
3	380 VAC

Code	Process Controller Options
0	Customer Supplied Digital Signal (3-20 VDC)
1	6040-SR000 1/16 DIN SSR, Relay
6	LM-2 Module (4-20mA Input)

Code	Overtemperature Controller Options
0	None
1	6050-SR000 1/16 DIN Fixed Relay, Relay

Code	Options
0	None
1	Main Disconnect with Through Door Operator
2	Ground Fault Monitor includes Illuminated Reset Switch*
3	Thermostat Controlled Enclosure Heater
4	Ground Fault Monitor & Main Disconnect Switch*
5	Main Disconnect Switch & Enclosure Heater
6	Ground Fault Monitor, Main Disconnect Switch & Enclosure Heater*
7	Ground Fault Monitor & Enclosure Heater*

**4214- 3 5 5 5 1 Typical Model Number**

Ground Fault detection requires grounded supply.

**CONTROL SYSTEMS**

## 4214 & 4224 Mini SCR Control Panels (cont'd.)

**Note:** Additional control panel options available. See pages H-143 to H-145.

### Model

#### 4224 Three Phase Two-Leg Zero Fired SCR Power Control Panel

##### Panel Configuration

Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4 rated Enclosure for Indoor/Outdoor Applications, Three-Pole Shutdown Contactor, SSRs for Power Switching with I<sup>2</sup>t Fusing. Options Include: Process Controller, Hi-limit Controllers, Ground Fault Monitor, Disconnect Switch, and Cabinet Heater.

Code	Current @ 40°C (104°F) Ambient (with no Solar Load)	Enclosure Dimensions
3	30	(24"H x 24"W x 10"D)

Code	Voltage
1	208 VAC
2	240 VAC
3	380 VAC
4	415 VAC
5	480 VAC
6	575/600 VAC

Code	Process Controller Options
0	Customer Supplied Digital Signal (3-20 VDC)
1	6040-SR0000 1/16 DIN SSR, Relay
6	LM-2 Module (4-20mA Input)

Code	Overtemperature Controller Options
0	None
1	6050-1R000 1/16 DIN Fixed 5A Relay

Code	Options
0	None
1	Main Disconnect Switch
2	Ground Fault Monitor includes Illuminated Reset Switch**
3	Thermostat Controlled Enclosure Heater
4	Ground Fault Monitor & Main Disconnect Switch**
5	Main Disconnect Switch & Enclosure Heater
6	Ground Fault Monitor, Main Disconnect Switch & Enclosure Heater**
7	Ground Fault Monitor & Enclosure Heater**

4224- 3 5 5 5 1 Typical Model Number

\*\*Ground Fault detection requires grounded supply.

