## Controls

# 4238 \& 4240 SCR Power Control Panels 

- 500 to 800 Amps
- Two Leg or Three Leg, Three Phase Control
- Zero-Crossover, DOT Fired for Resistive Loads
- 208-575 Volt
- NEMA 12 Enclosure*
- Shorted SCR Detection
- dV/dT Voltage Transient Protection
- Sub-Circuit Fusing for SCR and Load Protection


## D escription

The 4238 and 4240 SCR panels provide an economical solution for switching large resistive loads up to 800 Amps. The SCR switches the output using Chromalox's DOT firing which provides the most precise switching available for zero crossover power controllers. The shorted SCR detection feature alerts the operator of a shorted SCR via a lamp on the front panel. Although each $4238 / 4240$ has a single SCR device, the user can specify the number of fused circuits for his application. Each fuse provides both load and SCR protection.

The 4238 provide a shutdown contactor with each fused circuit allowing the user to shutdown parts of the heater for maintenance. The 4238 allows for 14 circuits at 70 Amps each, up to 10 circuits at 100 amps each.

The 4240 is identical to the 4238 except that a single shunt trip is provided to shut down the entire panel if a fault is detected. Biminating the shut down contactors allows space for more fusing options. The 4240 allows for 14 circuits at 70 Amps , up to 2 circuits at 400 Amps each.

## Ordering Information

Complete the Model Number using the Matrix provided.


## 4238 \& 4240

SCR Power Control
Panels (contd.)

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Complete the Model Number using the Matrix provided.

*Ourrent rating with a maximum of $35^{\circ} \mathrm{C}\left(95^{\circ} \mathrm{F}\right)$ ambient external to the enclosure.
**Ventilating a Nema 12 enclosure alters the rating to Nema 1

