

## 4001 SCR DIN-Rail Mount Single Phase Power Controller



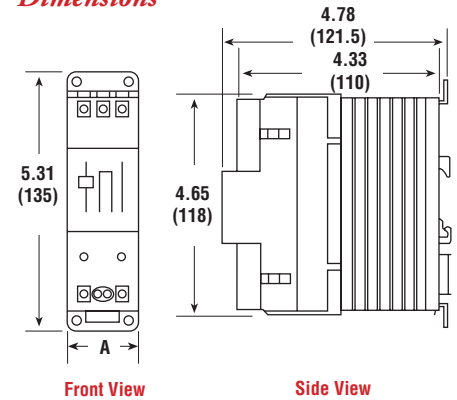
- Single Phase Loads up to 80 Amps, 600 Vac
- 4.5 to 35Vdc, 100-240 Vac, 24 Vac or 4-20mA Input Signals
- Easy DIN-Rail or Sub-Panel Installation
- Size Compatible for Easy Replacement of Mercury Displacement Relays
- Zero-Crossover Switching to Minimize RFI and EMI
- Optional Integral Heatsink Thermostat
- Front Access Terminals for Easy Wiring
- LED Indication of SSR ON
- dV/dT Voltage Transient Protection



### Description

The 4001 solid state power controllers combine Chromalox's years of SCR technology experience with new packaging techniques to deliver reliable and easy to install components. The 4001 series solid state contactors will switch up to 80 Amps single phase up to 600Vac. With the 4001 Vac input, this unit can easily replace any mercury or magnetic contactors to upgrade an existing system. The Vdc inputs and 4-20mA are compatible with existing SCRs and work with a variety of process controllers.

### Dimensions



A = 1.38 (35) for 10-35A  
 = 2.07 (52.5) for 45-60A  
 = 5.31 (135) for 80A

All Dimensions in Inches (mm)

### Ordering Information

Complete the Model Number using the Matrix provided.

#### In Stock:

Model	PCN
4001-35310	329551
4001-35370	307651
4001-35610	329560
4001-35670	307686
4001-35671	307694
4001-35641	307707
4001-45670	307740
4001-45671	307758
4001-60610	329607
4001-60671	307811
4001-80641	307889

### Model Solid State Power Controller

**4001** Single Phase, Zero-Crossover Fired Solid State Relay, DIN-Rail or Sub-Panel Mount

#### Code Max. Rated Current @ 50°C (Amps)

35	35 Amps
45	45 Amps
60	60 Amps
80	80 Amps

#### Code Voltage PIV (Peak Inverse Voltage)

3	Up to 400 Vac	1200
6	Up to 600 Vac	1600

#### Code Input

1	100 to 240Vac
2	24 Vac
4	4-20mA (300 Input Impedance)
7	4.5 - 32Vdc (15mA continuous)

#### Code Heatsink Thermostat

0	None
1	Heatsink Thermostat for Thermal Protection**

**4001 - 35 3 7 1 Typical Model Number**

\*\* Heatsink Thermostat not available on Vac Input Codes (1&2)