

# Controls

## CS Series Power Controllers CS1 & CS3

- Industrial Solid State Relays
- Single and Three-Phase Load Designs
- DIN Rail Mounted
- Conservative Thermal Design
- Up to 120 Amp Ratings - CS1
- Up to 3x55 Amp Ratings - CS3
- Up to 600 Vac Operational Voltage
- Integrated Heatsink
- Zero Crossover Switching to Minimize Electronic Noise
- AC & DC Voltage Input Signals
- Alarms for Load/Line Interrupt
- Overtemperature Alarm
- Digital PNP Alarm Output Signal for Logic-Gated Devices
- UL / cUL
- CE Marked
- LED Status Indicator
- IP20 Touch Protection Cover



CS1



CS3



### Description

The CS Series of solid state relays are an ideal, low cost power control solution for switching resistive loads found applications in such as furnaces, ovens, heat treating, injection molding, thermoforming, press platens, commercial food equipment, semiconductor, lighting and drying, just to name a few.

The CS Series power controllers feature a rugged, industrial design, touch-safe exterior and conservative, continuous service amperage ratings at 40°C ambient. They are available in both AC and DC Voltage logic input command signals and employ zero crossover firing (gated to turn on and off at zero voltage), which keeps unwanted RFI (Radio Frequency Interference) to a minimum. Each controller comes complete with integrated heat sink, SCR thermal protection with LED indication and has USA & Canadian UL component recognition and CE conformity. Optional alarms are available for over temperature as well as load and line interrupt conditions. The CS1 offers a digital PNP alarm output signal for logic-gated devices such as PLCs.

The CS1 Series controller manages single phase loads up to 120 Amps and up to 600 Vac.

The CS3 Series controller manages three phase, 3 leg loads up to 55 Amps and up to 600 Vac.

### Applications

- Thermoforming
- Plastic extrusion lines
- Injection molding
- Heat treatment
- Industrial ovens / furnaces
- Mold & dye heating/cooling control
- HVAC
- Packaging
- Textile production
- Rubber vulcanization equipment
- Driers, incubators and autoclaves
- Pharmaceutical and chemical processes
- Rapid resistive heat load switching

CONTROL PRODUCTS

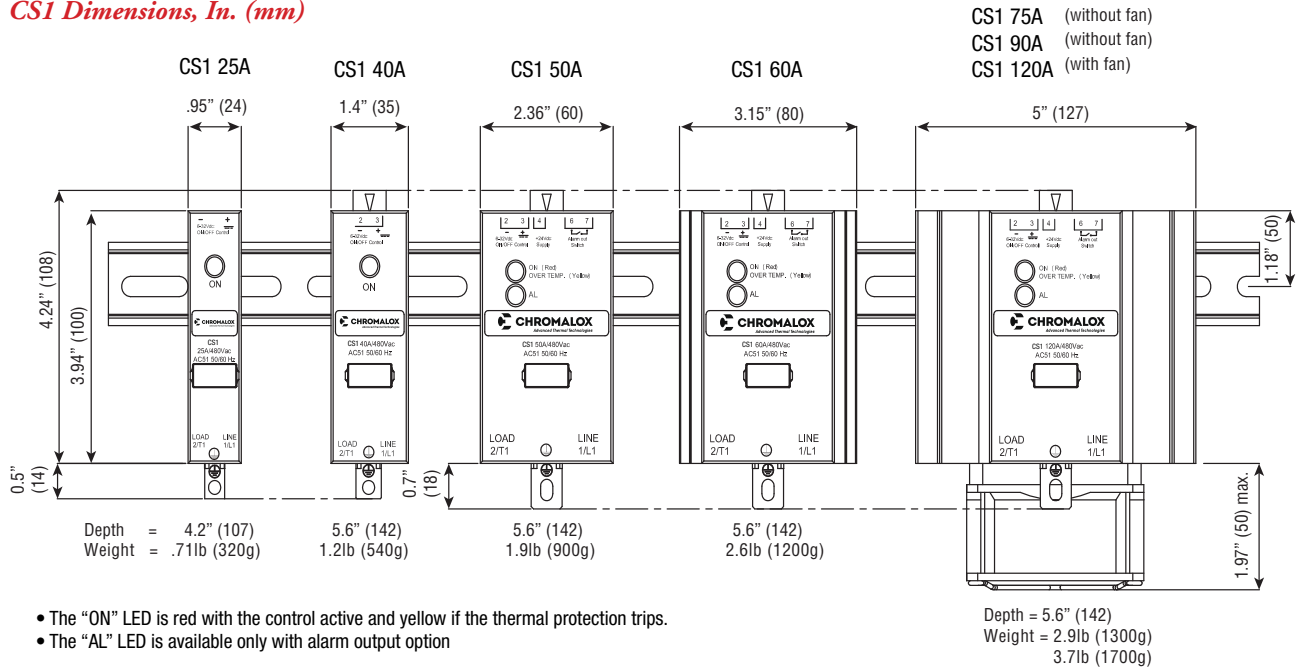
# Controls

## CS Series

### Power Controllers

### CS1 & CS3 (cont'd.)

#### CS1 Dimensions, In. (mm)



#### CS3 Dimensions, In. (mm)

