



CS Series Power Controllers CS3

- Industrial Solid State Relays
- Single and Three-Phase Load Designs
- DIN Rail Mounted
- Conservative Thermal Design
- 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



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.

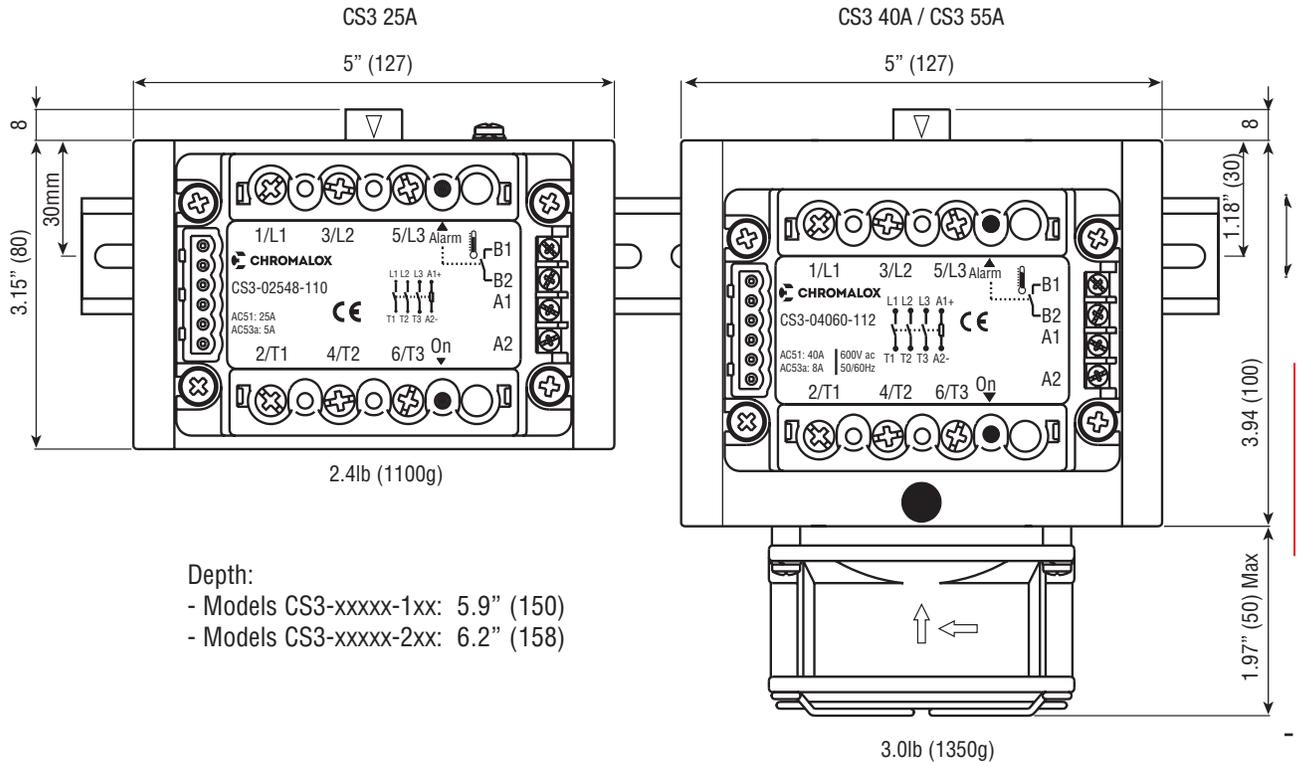
The CS3 Series controller manages three phase, 3 leg loads up to 55 Amps and up to 600 VAC.

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

CS Series Power Controllers CS3 (cont'd.)

CS3 Dimensions, In. (mm)



CS Series Power Controllers *(cont'd.)*

Ordering Information

To Order — Complete the Model Number using the Matrix provided.

Stocked Items

Model Number	PCN
CS3-02560-100	316582
CS3-02560-200	316590
CS3-04060-102	316603
CS3-04060-202	316611
CS3-05560-102	316620
CS3-05560-202	316638

Model	3-Phase, 3-Leg Solid State Relay Power Controller - DIN Rail Mount						
CS3	The CS3 Series are DIN Rail mounted 3-phase, 3-leg solid state relays with integrated heatsink for switching resistive loads in industrial applications. Standard features: Zero-voltage turn-on, LED input status indicator, IP20 touch protection, two different input control signal choices, integrated SCR thermal protection with LED signal indication, operating voltage up to 600 VAC. Optional features: Alarms for over temperature protection and load/line interruption* conditions. Approvals: CE, UL, cUL						
	Code Current @ 104°F (40°C) Ambient, Continuous Service						
	025	25 Amps					
	040	40 Amps					
	055	55 Amps					
	Code Voltage						
	48	480 VAC					
	60	600 VAC					
	Code Input Control Signal						
	1	5 - 32 VDC					
	2	20 - 260 VAC/DC					
	Code Alarm Options						
	0	None					
	1	Thermal Protection					
	2*	Interrupted Load or Line & Thermal Protection					
	Code Fan (For 40A & 55A Versions Only)						
	0	No Fan (25 Amp only)					
	1**	Fan (230 VAC Power Supply Requirement)					
	2**	Fan (120 VAC Power Supply Requirement)					
	3**	Fan (24VDC Power Supply Requirement)					
External 24V Power Supply is Required to Power the Alarms							
CS3	-	040	48-	1	1	2	Typical Model Number

* Available ONLY with Input Control Signal Code 2

** Fan requires customer supplied voltage.

The following Chromalox Process Controllers offer a suitable 24 VDC power supply for the alarm option:

40 Series: 6040 / 8040 / 4040

50 Series: 6050 / 4050

60 Series: 6060

80 Series: 4080 / 4081 / 4082