

# POWER CONTROL PICK & SHIP



**MODEL: CPCA-S1-75E4C**  
**PART NO: 484211-001**



**MODEL: CPCA-S1-75E4H**  
**PART NO: 484211-002**



**MODEL: CPCA-S1-75E4V**  
**PART NO: 484211-003**

## Power Control Specifications

### Common Features on All Units

**Electrical Rating** – 480 volts, 3 phase, 1 circuit, up to 75 amps.

**Power Terminal Enclosure** – Powder coated, color gray, rated NEMA 4 / IP66, UL / cCSAus Certification.

**Power Wiring Conduit Location** – Enclosure can be punch drilled to suit incoming power connection size and location.

**Power Control Type** – Full proportional power control utilizing a SSR assembly, rated up to 75 amps at 480V 3ph.

**Shutdown Capability** – One shutdown contactor is provided for complete power off capability.

**Optional Shutdown Connection** – Connection is shipped jumpered, and can be reconfigured to accept a customer relay signal for heater operation.

**Heat Sinks** – External heat sinks are provided for temperature regulation, pre-mounted to the enclosure.

**Mounting Location** – Enclosure is designed for mounting in an environment up to NEMA 4 IP66 rating with a maximum of 40°C and minimum of 0°C ambient, out of direct sunlight.

**Short Circuit Current Rating** – Assembly is rated for up to 5kA SCCR.

### Unique Features by Model Name

**Model CPCA-S1-75E4C** includes terminal blocks for customer provided control and overtemperature signal. External display includes a Power On light indicator.

**Model CPCA-S1-75E4H** includes a Chromalox 1020 process and 1030 overtemperature controller, DIN rail mounted, for process and overtemperature control. External display includes a Power On, Heater Enabled, and Overtemperature Alarm light.

**Model CPCA-S1-75E4V** includes a Chromalox 6040 process and 6050 overtemperature controller, door mounted, for process and overtemperature control. External display includes the 6040 process controller, 6050 overtemperature controller, Power On, Heater Enable, and Overtemperature Alarm light via the 6050 display.

## Steps for Picking Power Control

1. Ensure matching heater is rated for 480 volts, 3 phase, 1 circuit, and up to 75 amps.
2. If installer is providing their own process and overtemperature control and overtemperature signals, choose model CPCA-S1-75E4C.
3. If process and overtemperature control is to be provided by Chromalox, choose the controller location option of either:
  - **Model CPCA-S1-75E4H** features DIN rail mount (internal) controllers that will be secured inside the enclosure during heater operation.
  - **Model CPCA-S1-75E4V** features DOOR mounted (external) controllers that will be accessible during operation.
4. Confirm the selected power control assembly with the product data sheet (PNS-DS-003) for application and installation suitability.
5. Select any accessory package(s) based on the installation needs.

## Heater Selection Table

| Model Description      | Part Number | Power Control Type | Process Controller or Input Signal | Overtemperature Controller or Input Signal | Controller Mounting Location |
|------------------------|-------------|--------------------|------------------------------------|--------------------------------------------|------------------------------|
| CPCA-S1-75E4C 480V 3ph | 484211-001  | Proportional       | Customer Supplied 4-32Vdc          | Customer Supplied Relay                    | N/A                          |
| CPCA-S1-75E4H 480V 3ph | 484211-002  | Proportional       | 1020-SR000                         | 1030-1R000                                 | DIN Rail                     |
| CPCA-S1-75E4V 480V 3ph | 484211-003  | Proportional       | 6040-SR000                         | 6050-1R000                                 | Door Mount                   |

## Dimensions

