

PLCC Control Consoles

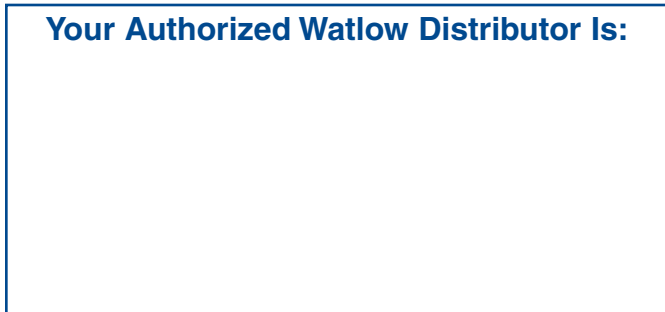


The single-loop control enclosure is built around a Watlow SERIES SD temperature controller. Standard features for this unit include full PID control, high and low process alarms and digital readout of the process temperature. These enclosures are built with solid state relays for noise-free operation and tight power control of the heating system. A mechanical relay is included to provide positive break of the load power in case of an alarm or error condition. Each unit is supplied with a line cord, NEMA 5-15 plug, fused output receptacle and on-off rocker switch. The standard console powers up to 8 amps @ 120V~(ac). All Watlow pump line heating system heater and thermocouple cables plug right in for quick, tool-free installation. A ground fault circuit interrupt is available as an option.

Process Benefits

- In combination with Watlow pump line heaters, vacuum pump lines can be controlled to a maximum of 200°C (392°F) to greatly reduce solid buildup.
- Using multiple control zones, the temperature may be varied or staged at different points along the line to “steer” buildup to a manageable location.

Your Authorized Watlow Distributor Is:



Features and Benefits

Compact size

- Small footprint

PID control

- Maintains precision temperature

Self-contained units

- No external components required

Pre-wired output, miniature thermocouple connector, on-off rocker switch

- Quick, tool-free installation and fast start up



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Specifications

Controller

- Watlow SERIES SD ½ DIN

Dimensions

- 776.2 mm W x 114.3 mm H x 178 mm D
(3 in. W x 4.5 in. H x 7 in. D)

Output Power Switching

- Utilizes a solid state relay
- 10 amp maximum fused output

Power Requirements

- 120V~(ac), (+10 percent – 15 percent, 50/60Hz), NEMA 5-15 plug
- Controller is fused to 2.0 amp

Sensor Input

- Type K or Type J miniature thermocouple jack factory selectable
- Mates with Watlow pump line thermocouples
- Mating connector provided

Output Configuration - Heater

- Solid state relay power controller
- Maximum 8 amps @ 120V~(ac), fused at 10A
- AMP Mate-'n'-Lok® connector, 3-position
- Mates with Watlow pump line heaters
- Mating connector provided

Output Configuration - Alarm

- Disconnects power to heaters when tripped
- Alarm signal via 5 amp contact closure
- AMP Mate-'n'-Lok® connector, 2-position
- Mating connector provided

Operating Environment

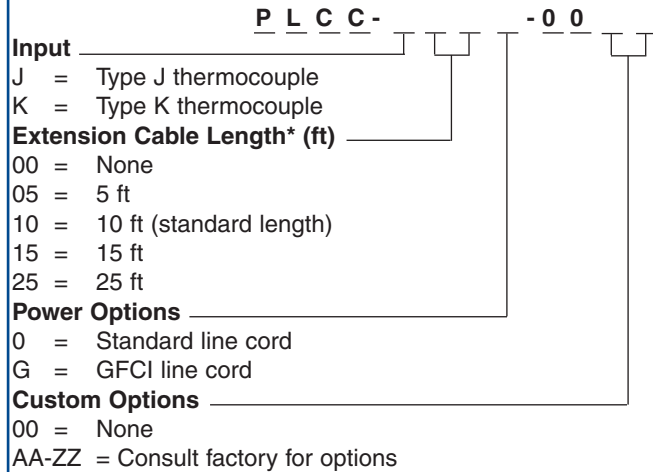
- Ambient temperature: 0 to 45°C (32 to 113°F)
- 0 to 90 percent RH, non-condensing

Weight

- .77 kg (1.7 lbs)

Ordering Information

SERIES PLCC = Control console with single thermocouple control input, 8A heater control output, contact alarm output



*Includes both heater and thermocouple cables