



The Dual series is the first package to offer multiple zones of control in one package. The Dual series are fitted with Watlow Series EZ Zone PM controls. Each zone utilizes a solid state relay for longer heater life and a lower cost than other power switching devices. The heater output connectors can be ordered as either an Amp Mate-n-Lok or twist and lock connector. Control Consoles are also available in a single and four zone models. Custom options are also available.

## Features

- Small foot print
- Pre-wired output
- AMP Mate-n-Lok 2 pin or Mini twist lock (NEMA ML-3) output connection
- Miniature thermocouple connector
- Watlow Series EZ Zone PM Controls
- On/Off Rocker Switch
- Optional High Limit Control

## Special Options

- Remote Set Point
- Digital I/O (DC only)
- Alarm Outputs

## Specifications

- **Controller**
  - Watlow Series EZ Zone PM
- **Dimensions**
  - 114 mm H x 152 mm W x 191 mm D  
(4.5 in H x 6.0 in W x 7.5 in D)

## Output Power Switching

- Utilizes a solid state relay
- Output is powered through the line cord
- Light Duty Dual
  - 8 amp max. fused output (4 amp per zone)
- Heavy Duty Dual
  - 16 amp max. fused output (8 amp per zone)
- Light Duty Control/Limit
  - 8 amp maximum load
- Heavy Duty Control/Limit
  - 12 amp maximum load

## Power Requirements

- Light duty dual 120 Volt AC, +10 %, -15% (NEMA 5-15 plug)
- 208/240 Volt AC, +10 %, -15% (NEMA 6-15 plug)
- Heavy duty dual or controller/limit 120 Volt AC, +10 %, -15% (NEMA 5-12 plug)

## Sensor Input

- Factory selectable input including thermocouple, RTD or process input (mv 0-5,0-10v, or 4-20 mA)
- Miniature thermocouple, RTD jack and plug or DC connector

## Output Configuration

- Factory selectable
- AMP Mate-n-Lok connector
- A Mini twist and lock connector (NEMA ML-3)
- Mating connector provided

## Communications Options

- RS-232/485 Modbus RTU
- EtherNet/IP

## Operating Environment

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

## Ordering Information

### DUAL - - - - -

#### Control

- A= PM Timer
- B= PM Series w/485 comms
- D= PM Series w/Ethernet IP
- F= PM Series w/485 comms and ramp and soak
- H= PM Series w/Ethernet IP and ramp and soak
- K= PM Control/Limit w/ EIA 485
- M= PM Control/Limit w/Ethernet IP
- P= PM Control/Limit w EIA 485 and ramp and soak
- R= PM Control/Limit w/Ethernet IP and ramp and soak
- 6= Control/Limit
- 7= Control/Limit w/ramp and soak
- 8=PM Series
- 9=PM Series w/ramp and soak

#### Input

- J= Type J T/C
- K=Type K T/C
- T=Type T T/C
- R=100 Ohm 2 wire RTD
- Z=Other

#### Display

- RG= Red/Green

#### Output Connector

- 1=AMP Mate-n-Lok
- 2=Mini Twist Lock (NEMA ML-3)

#### Line Voltage

- 1=120 Volt AC Light Duty (4 Amp zone, 8 Amp total)
- 2=208/240 Volt AC Light Duty (4 Amp Zone, 8 Amp total)
- 3=120 Volt AC Heavy Duty (8 Amp zone, 16 Amp total)

#### Options

- 00=None
- 01=Digital I/O
- 02=Alarm Output
- 03=Special