CONTROL CONSOLES



The Quad series offers four zones of control in one package. The Quad 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 are a single and dual zone models. Custom options are also available.

Features

- Small foot print
- Pre-wired output
- AMP Mate-n-Lok 2 pin or Mini twist (NEMA ML-3) lock output connection
- Miniature thermocouple connector
- Watlow Series EZ Zone PM Controls
- On/Off Rocker Switch
- Option 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 305 mm W x 191 mm D (4.5 in H x 12.0 in W x 7.5 in D)

Output Power Switching

- **Zero Cross**
  - Utilizing a solid state relay
  - Used for resistive heater loads
  - 16 amp maximum fused output,4 amp maximum load
  - Output is powered through the line cord

Power Requirements

- 120 Volt AC, +10 %, -15%
- 208/240 Volt AC, +10 %, -15%
- 24 Volt DC +/-10%

Sensor Input

- Thermocouple
- 2 wire RTD
- 4-20 mA
- 0-10 VDC

Output Configuration

- Fused at 15 amps
- AMP Mate-n-Lok connector
- Mini twist and lock connector (NEMA ML-3)
- 120 volt female receptacle, (NEMA 5-15R)
- M12 4 pin connector (DC volts only)

Communications Options

- Bluetooth
- RS-232/485 Modbus RTU
- Ethernet/IP, Modbus TCP
- Watlow Standard Bus

Operating Environment

- 0-90 percent RH, non-condensing

CONTROL CONSOLES

Ordering Information

QUAD - _____ _____ _____ - _____ _____ _____

Control
A= PM Plus w/Timer
B= PM Plus w/485 Com
C= PM Plus w/Std Bus Com
D= PM Plus w/Ethernet IP
E= PM Plus w/Std Bus Com and ramp and soak
F= PM Plus w/485 Com and ramp and soak
H= PM Plus w/Ethernet IP and ramp and soak
1=Phase Angle Fire , PM Plus
2=Phase Angle Fire, PM Plus w/Timer
3=Phase Angle Fire, PM Plus and ramp and soak
5=Gefran 450 Temp Control
6=PM Plus /w Integrated Limit and ramp and soak
7=PM plus /w Integrated Limit
8=PM Plus
9=PM Plus 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
U=Custom
F=4-20mA
Z=Other

Display
RG= Red/Green

Output Connector
1=AMP Mate-n-Lok
2=Mini Twist Lock (NEMA ML3)
3=Mini Twist Lock (NEMA ML1)
4=NEMA 5-15
5=M12 4 Pin (DC volt only)

Line Voltage
3=120 Volt AC (15 Amp)
4=208/240 Volt AC (15 Amp)
A=24 Volt DC (15 Amp)

Options
00=None
01=Digital I/O
02=Alarm Output
03+=Custom Options

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