QUICK START WATLOW GUIDE

PM3 LEGACY[™] EXPRESS PID CONTROLLER

For Configurations: PM3_ _ [A,C,E,F,K] [A,C,J,K] - _ AAAH

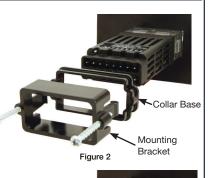


For assistance contact Watlow: www.watlow.com 1-800-WATLOW2 (1-800-928-5692) wintechsupport@watlow.com

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1 - MOUNT TO PANEL

- 1. Make the panel cutout using the measurements in figure 1.
- 2. Remove the green terminal connectors and the mounting collar assembly.
- 3. Insert the controller into the panel cutout from the front.
- 4. Orient the collar base so the flat side faces front and the screw openings are on the sides (see figure 2), then slide the base over the back of the controller.
- 5. Slide the mounting bracket over the controller with the screws aligned to the collar base. Push the bracket gently but firmly until the hooks snap into the slots in the case.
- 6. Tighten the two #6-19 x 1.5 in. screws with a phillips screwdriver until the device is flush to the panel (3 to 4 in-lbs torque).
- 7. Reinstall the terminal connectors to their original locations. (Or first connect field wiring as indicated in this guide and then reinstall the connectors).



NOTE: Mounting requires access to

the back of the panel.

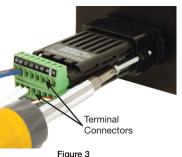
22.4 mm

(0.88 in.)

45.2 mm

(1.78 in.)

Figure 1



2 - CONNECT THE SENSOR INPUT

98 99 CF CD CE B5 D6 C D5

X1 W1 Y1 L2 K2 T

Connect your sensor as indicated in the diagram for your sensor input. Figure 4 is an example illustrating the connection shown for a Thermocouple.

Thermocouple



Process Voltage or Current Voltage: 0 to 10V@ 20kΩ Current: 4 to 20 mA @ 100Ω

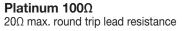
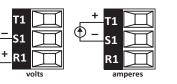
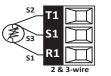


Figure 4: Thermocouple Wiring Example





Refer to the wiring diagram for your configuration 4 - WIRE OUTPUT 2 **5 - CONNECT POWER** 3 - WIRE OUTPUT 1 6 - CE DECLARATION OF CONFORMITY code and connect to the slots indicated. PM3 [J] AAAH : 98 99 CF CD CE B5 D6 C D5 PM3 [C] AAAH : Switched DC or Open Collector CF CD CE B5 D6C D5 Mechanical Relay 5A Form A Relay Internal Circuit Normally Open Open Collecto Common எ 1 2 🗋 8 K) Internal Circuit Common X1 W1 Y1 L2 K2 T1 S1 AR1 PM3___[C]_AAAH__: Switched DC L2 K2 T1 Common ļέ Figure 5: Switched DC Output Wiring **Configuration Code:** PM3__ [E] _ _AAAH_ _: (24V(dc) PM3 _ [1,3] _ _ _AAAH _ _ Mechanical Relay 5A Form C Relay Internal Circuit Normally 1: 120-240 V (ac) Internal Circuit PM3 [F] AAAH : Universal Process Open 000 Load 3: 24 V (ac or dc) PM3 [K] AAAH : EN 300 328 V1.9. Internal Circuit Current Load Solid State Relay 0.5A, Form A AC Common Normally Open Load Load Load CAUTION Normally Closed Do not connect high voltage to a controller that requires low voltage.

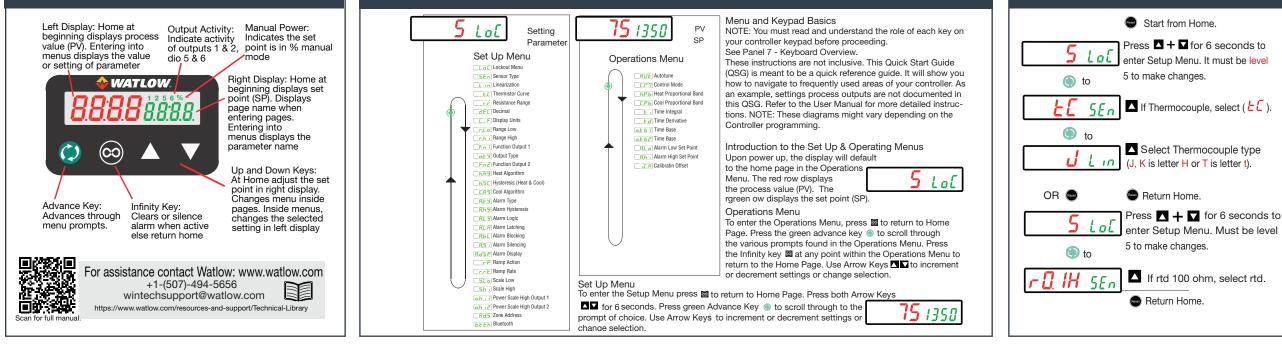
CE Declaration of Conformity - Series EZ-ZONE® PM WATLOW Electric Manufacturing Company ries EZ-ZONE[®] PM (Panel Mount

- 2014/53/FU Radio Fauinment Directi

- Contains Module FCC ID: VPYLBZY Part 150

May 2018

7 - KEYPAD OVERVIEW



8 - INTRODUCTION TO KEYPAD AND MENU BASICS

9 - SET UP THE INPUT

