WATLOW. QUICK START GUIDE

PM3 LEGACY[™] EXPRESS LIMIT CONTROLLER

For Configurations: PM3 _ [<u>A,C,E]</u> J - <u>AAAH</u> _ _

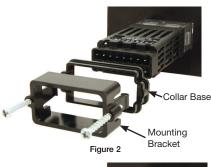


For assistance contact Watlow: www.watlow.com 1-800-WATLOW2 (1-800-928-5692) wintechsupport@watlow.com

Document #10-43058, Part# 2152-6962 December 2020

1 - MOUNT TO PANEL

- Make the panel cutout using the measurements in figure 1.
 Remove the green terminal connectors and the mounting collar assembly.
- 3. Insert the controller into the panel cutout from the front.
- 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.
- 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).

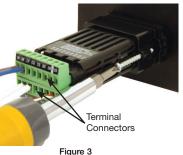


NOTE: Mounting requires access to the back of the panel.

22.4 mm

(0.88 in.)

Figure 1



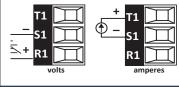
2 - CONNECT THE SENSOR INPUT

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 $10V@\ 20k\Omega$ Current: 4 to 20 mA @ 100Ω

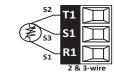


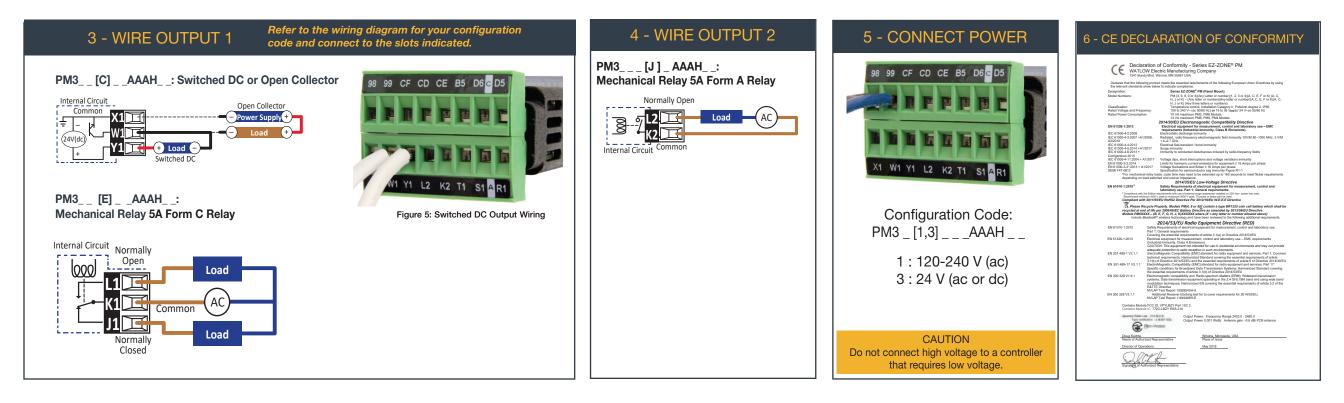
Platinum 100 Ω 20 Ω max. round trip lead resistance

Figure 4: Thermocouple Wiring Example

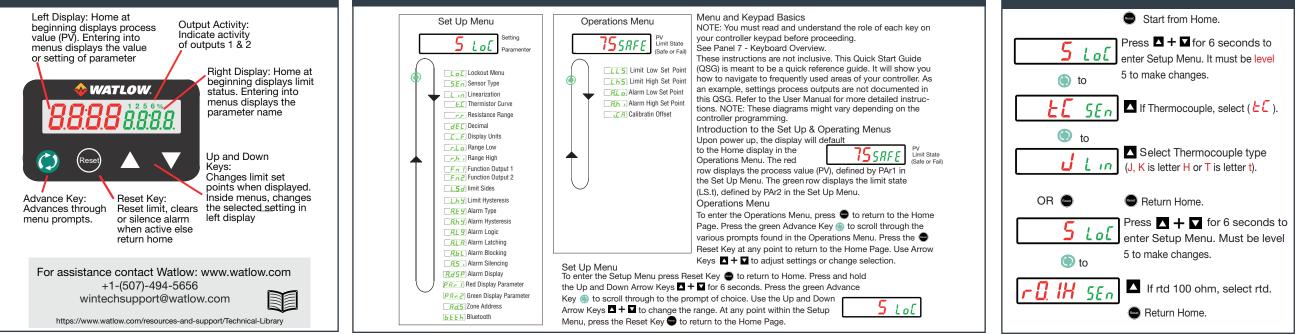
99 CF CD CE B5 D6 C D5

X1 W1 Y1 L2 K2





7 - KEYPAD OVERVIEW



8 - INTRODUCTION TO KEYPAD AND MENU BASICS

9 - SET UP THE INPUT

