

PM6 LEGACY™ LIMIT CONTROLLER

for configurations: PM6(L,M)_ _ _-_A_ _G_ _



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

Document No. 10-42032, Part No. 2134-0008 June 30, 2020

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.
- 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).
- Reinstall the terminal connectors to their original locations. (Or first connect field wiring as indicated in this guide and then reinstall the connectors).

44.96 to 45.47 mm (1.77 to 1.79 in.) 44.96 to 45.47 mm (1.77 to 1.79 in.)



NOTE: Mounting requires access

Figure 2



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

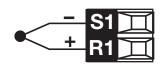
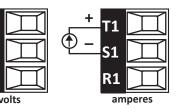




Figure 4: Thermocouple Wiring Example

Voltage: 0 to 10V or 0 to 10V@ $20k\Omega$ Current: 4 to 20 mA @ 100Ω



Platinum 100 Ω @0C RTD 20 Ω max. round trip lead resistance

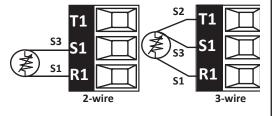
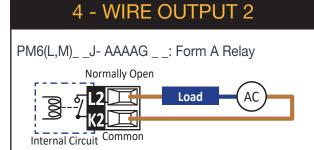
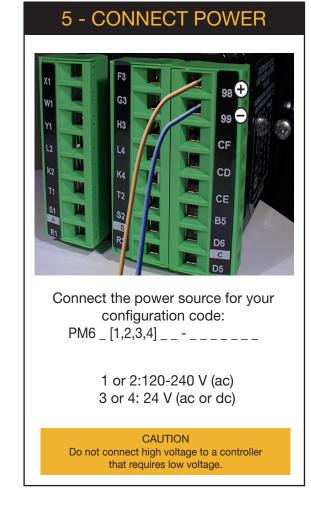
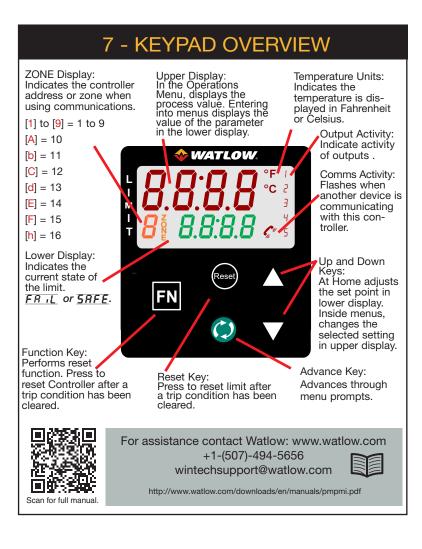


Figure 3











Pages, Menus and Keypad Basics:

NOTE: You must read and understand the role of each key on

your controller keypad before proceeding. See Panel 7 - Keyboard Overview.

These instructions are not inclusive. This Quick Start Guide (QSG) is meant to be a quick reference to show you how to navigate to frequently used areas of the controller. As an example; setting process outputs are not documented in this QSG. Refer to the User's Guide for more detailed instructions.

NOTE: These diagrams might vary depending on the controller programming.

Introduction to the Operations & Setup Pages:

Upon power up, the display will default to Home. The upper red row displays process value (PV). The lower green row displays limit status. The Setup Page is a collection of menus having parameters changed typically one time when the controller is first installed or each time hardware changes occur. The Operations Page is a collection of menus having parameters changed more frequently.

Menus in each page contain common parameters that affect a particular function of the controller. Example: Analog Input, Limit, Outputs and Alarms are commonly used functions. Parameters are grouped for each function.

Set Up Page WATLOW F SEL A Analog Input A Digital I/O

R Analog Input
d o Digital I/O

L o Limit
be Pe Output
Record Alarm
Fun Function Key
Global
Corn Communications

YE5 Bluetooth

Set Up Page

To enter the Setup Page, press the Reset Key to return to Home. Press and hold the Up and Down Arrow Keys for 6 seconds. Press the green Advance Key to enter the selected menu. Some menus have sub-menus. See graphic below. Use Arrow Keys to select sub-menu if present. Press the Advance Key to enter selected sub-menu. Press the Reset Key to return to the Home Page.



Sub-menu

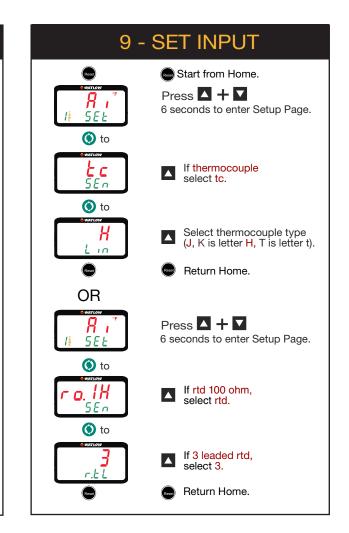
Menu

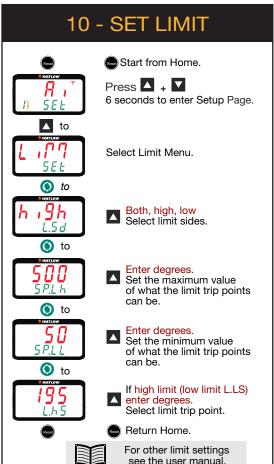
Operations Page

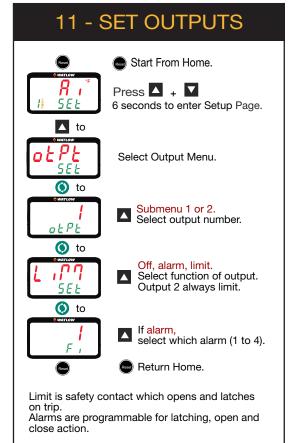


Operations Page

To enter the Operations Page, press the Reset Key to return to Home. Press and hold the Up and Down Arrow Keys To for 6 seconds. Press the green Advance Key to enter selected menu. Some menus have sub-menus. See graphic below. Use Arrow Keys to select sub-menu if present. Press the Advance Key to enter selected sub-menu. Press the Reset Key to return to the Home Page.







For other output settings

see the user manual

