

## PM6 LEGACY™ LIMIT CONTROLLER

for configurations: PM6(L,M)\_ \_ \_-\_A\_ \_G\_ \_



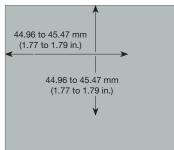
For assistance contact Watlow: www.watlow.com 1-800-WATLOW2 (1-800-928-5692) wintechsupport@watlow.com

3 - WIRE OUTPUT 1

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
- 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.
- 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
- 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

## 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.

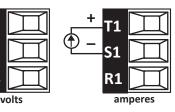
Thermocouple



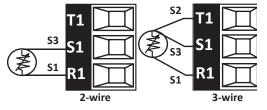


Figure 4: Thermocouple Wiring Example

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



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







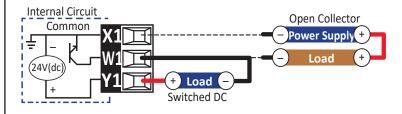
Refer to the wiring diagram for your configuration code

PM6(L,M) E - AAAAG : Form C Relay 5A @240 VAC or 30 VDC Internal Circuit Normally Load ACCommon Load

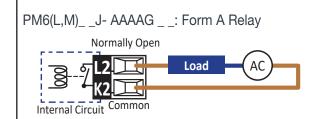


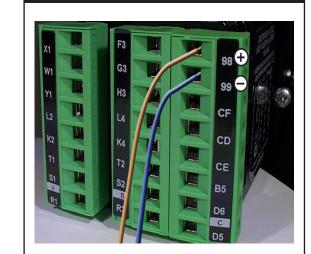
Figure 5: Switched DC Output Wiring

PM6(L,M)\_ C \_- AAAAG\_ \_: Switched DC or Open Collector



## 4 - WIRE OUTPUT 2





5 - CONNECT POWER

Connect the power source for your configuration code:

PM6 \_ [1,2,3,4] \_ \_ - \_ \_ \_ \_

1 or 2:120-240 V (ac) 3 or 4: 24 V (ac or dc)

Do not connect high voltage to a controller that requires low voltage.

## 6 - CE DECLARATION OF CONFORMITY

Declaration of Conformity - Series EZ-ZONE® PM Declaration of Conformity - Series L.2-.
WATLOW Electric Manufacturing Company
1241 Bundy Blvd. Winona, MN 55987 USA

Series EZ-ZONE® PM (Panel Mount)

EN 61326-1:2013

thed and source impedance.
2014/35/EU Low-Voltage Directive
Safety Requirements of electrical equipment for meas
laboratory use. Part 1: General requirements

lease Recycle Properly. Models PM(4, 8 or 9)E contain a type BR1225 coin cell battery which shall be d at end of life per 2006/66/EC Battery Directive as amended by 2013/56/EU Directive. S PM6XXXX - (B.E. F. G. H. J. KXXXXXXX where (X = anv letter or number allowed above)

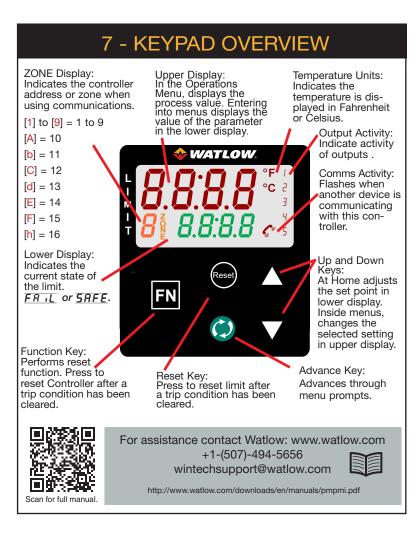
<sup>®</sup> wireless technology and have been reviewed to the following addition 2014/53/EU Radio Equipment Directive (RED) Safety Requirements of electrical equipment for measurement, control and laboratory us. Part 1: General requirement of the Covering the essential requirements of article 3.1(a) or Directive 2014/53/EU Electrical equipment for measurement, control and laboratory use – EMC requirements (industrial immunity, Class A Emissions).

EN 300 328 V2.1.1

Director of Operations

May 2018







#### Pages, Menus and Keypad Basics:

your controller keypad before proceeding.

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

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.

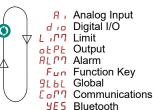
NOTE: These diagrams might vary depending on the controller programming.

#### **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.





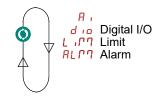
### Set Up Page



Sub-menu

Menu

# Operations Page



## Operations Page To enter the Operations Page, press

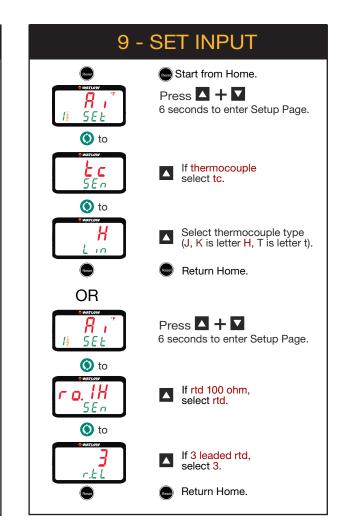
the Reset Key to return to Home.

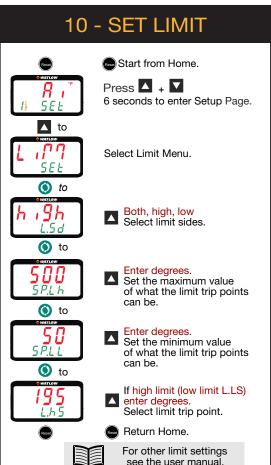
Press and hold the Up and Down

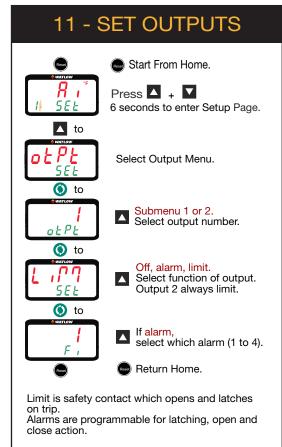
Arrow Keys + for 6 seconds.

Press the green Advance Key to 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

