



# QUICK START GUIDE

## PM PLUS™ CONTROLLER

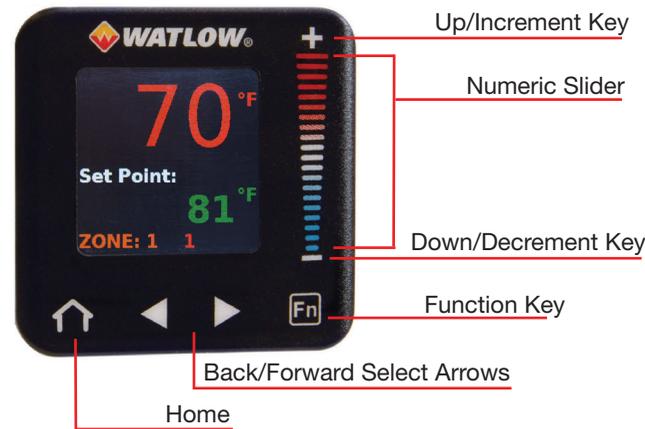
for configurations:

PM6 \_ \_ [E,F,C] [J,C,H] - \_ AAA [P,V] \_ \_



For assistance contact Watlow: [www.watlow.com](http://www.watlow.com)  
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[wintechsupport@watlow.com](mailto:wintechsupport@watlow.com)

## CONTROLLER INTERFACE



- Scroll up or down lists using the + or - keys.
- Increase or decrease numeric parameters with the slider.
- ▶ • Select items or move to lists using the forward arrow.
- ◀ • Return to the previous selection with the back arrow.
- 🏠 • Return to the home screen from any screen with the Home button.

## 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).

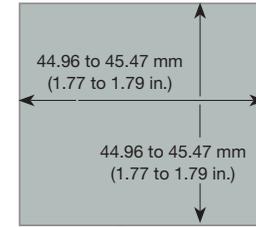


Figure 1

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



Figure 2



Figure 3

## 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.

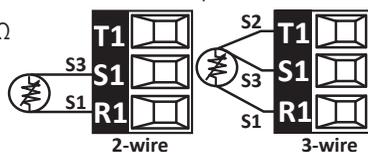


Figure 4: Thermocouple Wiring Example

### Thermocouple

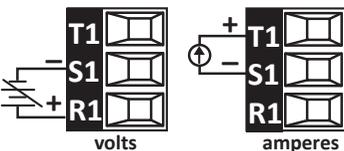


**Platinum 100Ω or 1000Ω RTD**  
20Ω max. round trip lead resistance



### Process Voltage or Current

Voltage: 0 to 50 mV or 0 to 10V@ 20kΩ  
Current: 0 to 20 mA @ 100Ω



## 3 - WIRE OUTPUT 1

Refer to the wiring diagram for your configuration code and connect to the slots indicated.

PM6 \_ C - : Switched DC or Open Collector

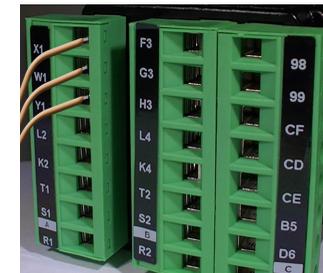
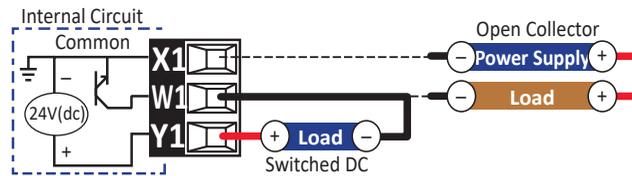
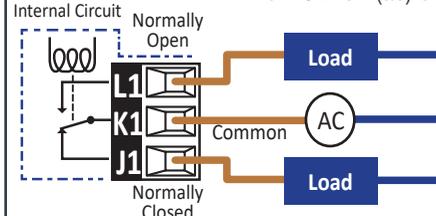


Figure 5: Switched DC Output Wiring

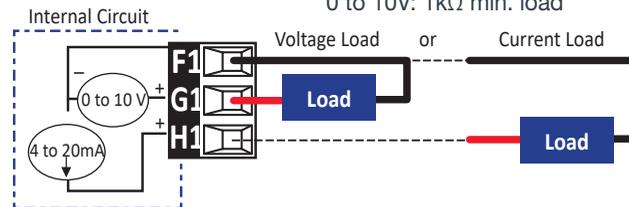
PM6 \_ E - : 5A Form C Relay

5A @240 V(ac) or 30 V (dc)



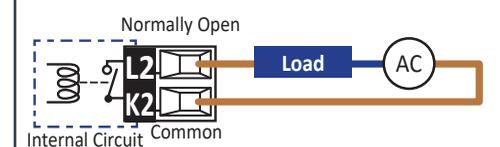
PM6 \_ F - : Universal Process

0 to 20 mA: 800 Ω max. load  
0 to 10V: 1kΩ min. load

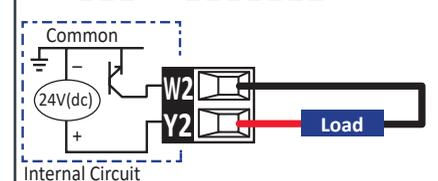


## 4 - WIRE OUTPUT 2

PM6 \_ J - : 5A Form A Relay



PM6 \_ C - : Switched DC



PM6 \_ H - : No-Arc Relay

