



QUICK START GUIDE

PM PLUS™ 1/8 DIN CONTROLLER

for configurations:

(PM8,9) _ _ [E,F,C] [J,C,H] - _ _ _ [P,V] _ _



PM8 PLUS Shown



PM9 PLUS Shown

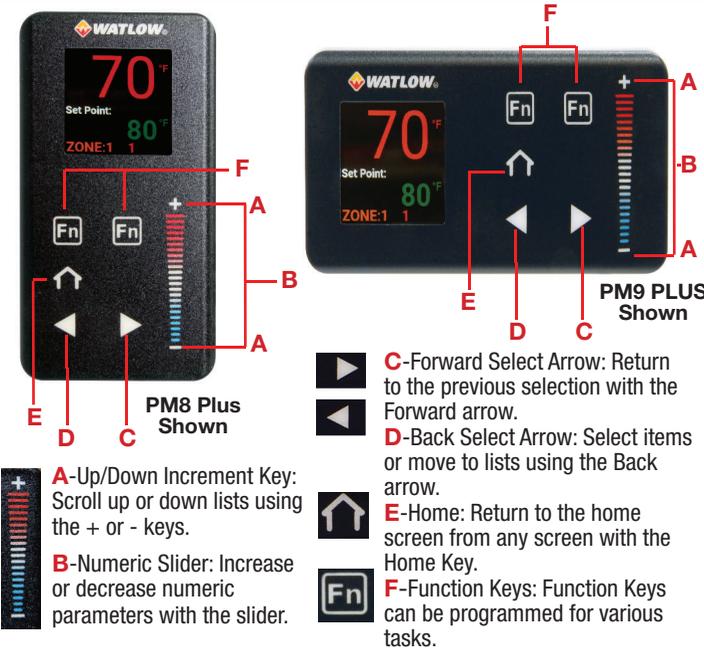
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CONTROLLER INTERFACE



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 four #6-19 x 1.5 in. screws (two on each side) with a Phillips screwdriver until the device is flush to the panel (3 to 4 in-lbs torque). See figure 3. (Only one screw on each side on the PM9 PLUS.)
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.

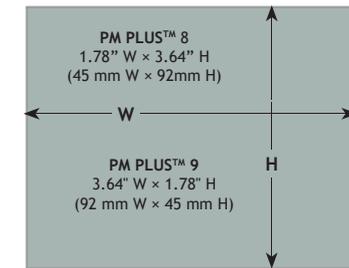


Figure 1



Figure 2

PM8 PLUS Shown



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.

PM8 PLUS Wiring Connections Shown. Refer to the User Guide for PM9 PLUS Wiring Connections.

Thermocouple

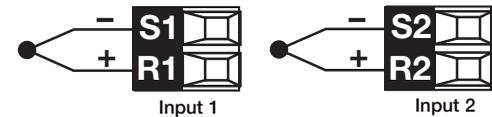


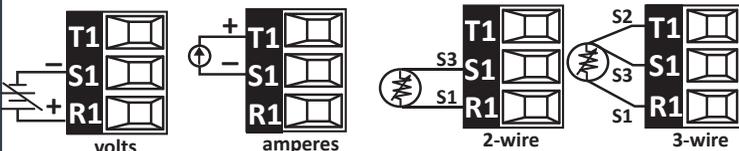
Figure 4: Thermocouple Wiring Example

Process Voltage or Current

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

Platinum 100Ω or 1000Ω RTD

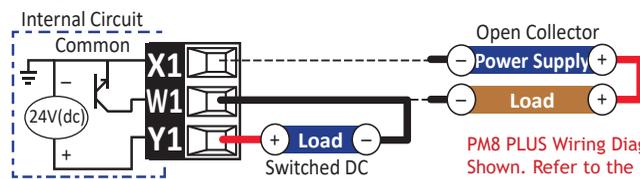
20Ω max. round trip lead resistance



3 - WIRE OUTPUT 1

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

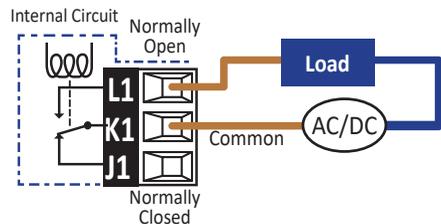
(PM8,9) _ C _ _ : Switched DC or Open Collector



PM8 PLUS Wiring Diagrams Shown. Refer to the User Guide for PM9 PLUS Wiring Diagrams.

(PM8,9) _ E _ _ : 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

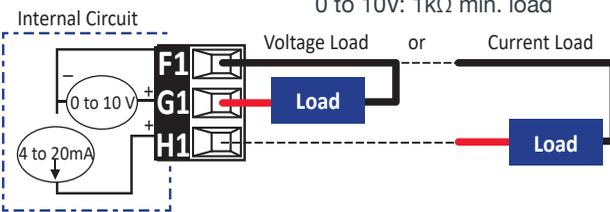
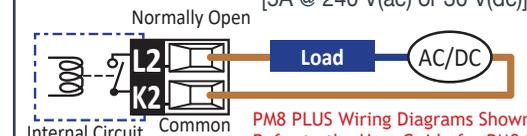


Figure 5: Switched DC Output Wiring

4 - WIRE OUTPUT 2

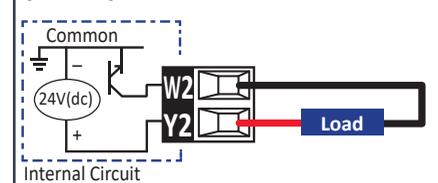
(PM8,9) _ J _ _ : Form A Relay

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



PM8 PLUS Wiring Diagrams Shown. Refer to the User Guide for PM9 PLUS Wiring Diagrams.

(PM8,9) _ C - _ _ : Switched DC



(PM8,9) _ H - _ _ : No-Arc Relay

