

# PM6 LEGACY™EXPRESS LIMIT CONTROLLER

for configurations: PM6L \_ \_ \_ - \_ AAA H\_ \_





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

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- 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
- 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).

### NOTE: Mounting requires access 1 - MOUNT TO PANEL

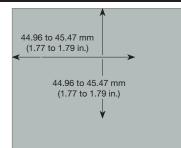






Figure 2



# 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.

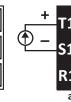
### Thermocouple

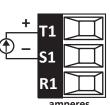




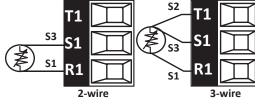
Figure 4: Thermocouple Wiring Example

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





Platinum 100Ω 20Ω max. loop lead resistance



3 - WIRE OUTPUT 1 Refer to the wiring diagram for your configuration code and connect to the slots indicated.

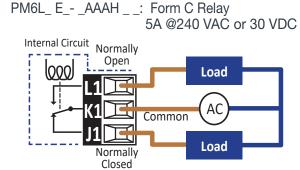
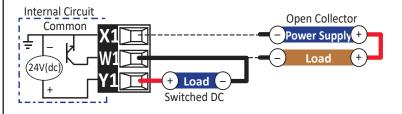




Figure 5: Switched DC Output Wiring

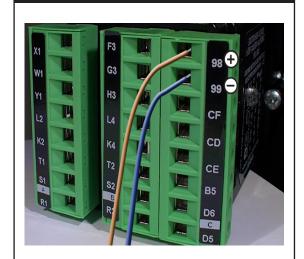
PM6L\_ C\_- \_AAAH \_ \_: Switched DC or Open Collector



# 4 - WIRE OUTPUT 2

PM6L \_ \_J- \_AAAH \_ \_: Form A Relay Normally Open Internal Circuit Common

# 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
WATLOW Electric Manufacturing Company
1241 Bundy Blyd, Winona, MM 55997 USA

outc meets the essential requirements of the following European Union Directives by using device to indicate compliance.

Series EZ-ZONE\* PM (Panel Mount)

PM (5, 8, 8, 9 or 4)(Any Letter or number)(1, 2, 3 or 4)(A, C, E, F or K) (A, C, H, J or K) — (Any letter or number)(Any letter or number), A. C, E, F or K)(A, C, H, J or K), (Any three letters or number)

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Voltage dips, short interruptions and voltage variations immunity Limits for harmonic current emissions for equipment ≤ 16 Amps per phase Voltage fluctuations and flicker ≤ 16 Amps per phase Specification for semiconductor saig immunity Figure R1-1 St., cycle time may need to be extended up to 169 seconds to meet flicker re

depending on load switched and source impedance.

1-12019 Safety Requirements of electrical equipment for measurement, control and laboratory use. Part 1: General requirement of source and laboratory use. Part 1: General requirements of the second of the

2014/53/EU Radio Equipment Directive (RED)

afiety Requirements of electrical equipment for measurement, control and laboratory use, art 1: General requirements over a final control and laboratory use. overing the essential requirements of article 3.1(a) or Directive 2014/53/EU (electrical equipment for measurement, control and laboratory use – EMC requirements ordustrial immunity, Class A Emissions). AUTION: This expurpment not intended for use in residential environments and may not p

EN 300 328 V1.9.1

Contains Module FCC ID: VPYLBZY Part 15C 2. Contains Module IC: 772C-LBZY RSS 210

Output Power: Frequency Range 2402.0 - 2480.0 Output Power 0.001 Watts Antenna gain: -0.6 dBi PCB antenna

Doug Kuchta
Name of Authorized Representative

Winona, Minnesota, USA Place of Issue

