3 Chapter 3: Keys and Displays

Upper (Left, 32nd DIN) Display:

In the Home Page, displays the process value, otherwise displays the value of the parameter in the lower display.

Zone Display:

Indicates the controller zone.

1 to 9 = zones 1 to 9

A = zone 10	E = zone 14
b = zone 11	F = zone 15
C = zone 12	h = zone 16
d = zone 13	

Percent Units:

Lights when the controller is displaying values as a percentage or when the open-loop set point is displayed.

Channel Display:

Indicates the channel for any given EZ-ZONE module.

- Available with the PM4, 8 and PM9 only.

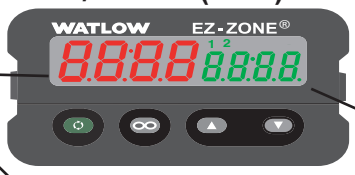
Infinity Key

Press to back up one level, or press and hold for two seconds to return to the Home Page. From the Home Page can clear alarms and errors if clearable.

Advance Key

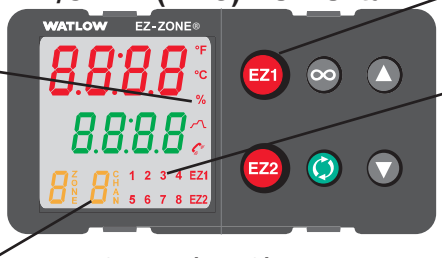
Advances through parameter prompts.

1/32 DIN (PM3)



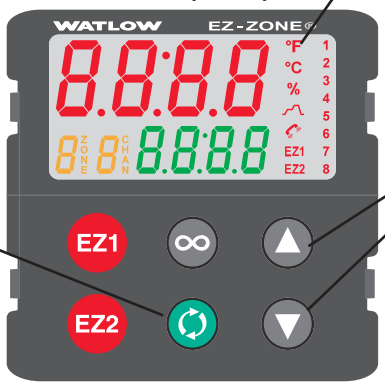
1/16 DIN (PM6)

1/8 DIN (PM9) Horizontal



1/8 DIN (PM8) Vertical

1/4 DIN (PM4)



Lower (Right, 32nd DIN) Display:

Indicates the set point or output power value during operation, or the parameter whose value appears in the upper display.

Profile Activity:

Lights when a profile is running. Flashes when a profile is paused.

EZ Key/s:

This key can be programmed to do various tasks, such as locking the keyboard, restoring user settings, etc...

Output Activity:

Number LEDs indicate activity of outputs. A flashing light indicates output activity.

Communications Activity

Flashes when another device is communicating with this controller.

Temperature Units:

Indicates whether the temperature is displayed in Fahrenheit or Celsius.

Up and Down Keys

In the Home Page, adjusts the set point in the lower display. In other pages, changes the upper display to a higher or lower value, or changes a parameter selection.

Note:

Upon power up, the upper or left display will briefly indicate the firmware revision and the lower or right display will show PM representing the model.

Responding to a Displayed Message

An active message will cause the display to toggle between the normal settings and the active message in the upper display and [AtEn] in the lower display.

Your response will depend on the message and the controller settings. Some messages, such as Ramping and Tuning, indicate that a process is underway. If the message was generated by a latched alarm and the condition no longer exists or if an alarm has silencing enabled it can be silenced simply by pushing the Infinity ∞ key. Alternatively, use the method below to view all and then clear.

Push the Advance Key to display [iSnr] in the upper display and the message source (such as [AL.h 1]) in the lower display.Use the Up ▲ or Down ▼ keys to scroll through possible responses, such as Clear [CLr] or Silence [SiL]. Then push the Advance ◉ or Infinity ∞ key to execute the action. See the Home Page for further information on the Attention Codes.

Display	Parameter Name Description	Range	Appears If
[AtEn]	**Attention** An active message will cause the display to toggle between the normal settings and the active message in the upper display and [AtEn] in the lower display. Your response will depend on the message and the controller settings. Some messages, such as Ramping and Tuning, indicate that a process is underway. If the message was generated by a latched alarm or limit condition, the message can be cleared when the condition no longer exists. If an alarm has silencing enabled, it can be silenced. Push the Advance Key to display [iSnr] in the upper display and the message source (such as [L1h1]) in the lower display. Use the Up ▲ or Down ▼ keys to scroll through possible responses, such as Clear [CLr] or Silence [SiL]. Then push the Advance ◉ or Infinity ∞ key to execute the action. Alternatively, rather than scrolling through all messages simply push the Infinity ∞ button to generate a clear.	[AL.L1] [AL.L2] [AL.L3] [AL.L4] Alarm Low 1 to 4 [AL.h1] [AL.h2] [AL.h3] [AL.h4] Alarm High 1 to 4 [AL.E1] [AL.E2] [AL.E3] [AL.E4] Alarm Error 1 to 4 [Er.i1] Error Input 1 [tUn1] Tuning 1 [rP1] Ramping 1 [LP.o1] Loop Open Error 1 [LP.r1] Loop Reversed Error 1 [uAL.h] Value to high to be displayed in 4 digit LED display [uAL.L] Value to low to be displayed in 4 digit LED display	an alarm or error message is active.