

3

Chapter 3: Keys and Displays

Upper Display:

In the Home Page, displays the parameter specified by Custom 1 in the factory page, otherwise displays the value of the parameter in the lower display.

Zone Display:

Indicates the controller zone that the RUI is currently communicating with.

- A = zone 10 E = zone 14
- b = zone 11 F = zone 15
- C = zone 12 h = zone 16
- d = zone 13 J = zone 17

Lower Display:

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

EZ Key:

This key can be programmed to do various tasks, such as starting a profile.

Note:

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



Temperature Units:

Indicates whether the temperature is displayed in Fahrenheit or Celsius.

Output Activity:

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

Percent Units:

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

Profile Activity;

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

Communications Activity

Flashes when another device is communicating with the RUI.

Up and Down Keys ▲ ▼

In the Home Page, the parameter specified by Custom 1 in the factory page. In other pages, changes the upper display to a higher or lower value, or changes a parameter selection.

Infinity Key ∞

In the Home Page, press to scroll through the network zones, clears alarms and errors if clearable.

On other pages, press to back up one level, or press and hold for two seconds to return to the Home Page.

Advance Key ⌂

Advances through parameter prompts.






Responding to a Displayed Message

Attention Codes


An active message will cause the display to toggle between the normal settings and the active message in the upper display and Attention [A E E n] 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 by simply pushing the Infinity ∞ key or alternatively, by following the steps below. If an alarm has silencing enabled, it can also be silenced.

Push the Advance Key ⌂ to display Ignore [IGN] in the upper display and the message source, such as Limit High [L H I] in the lower display. Use the Up ▲ and 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 table below for further information on the Attention Codes.

Display	Parameter Name Description	Setting	Range	Default	Appears If
ALEn	<p>Attention An active message will cause the display to toggle between the normal settings and the active message instance in the upper display, ALEn in the lower display, and the Zone will flash reflecting the Zone which generated the message.</p> <p>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.</p> <p>Push the Advance Key  to display ALEn in the upper display and the message source (such as Lh1) in the lower display.</p> <p>Use the Up  and 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.</p>		<p>Note: Due to the fact that the RUI/GTW can be used with all EZ-ZONE controllers, the prompts and the number of instances shown below reflect features and the maximum values that could be available across the family of controllers at the time this manual was written. <i>The maximum values shown are subject to change in the future.</i> To determine the features and the maximum number of instances available for your controller please reference the associated product user manual.</p> <p>ALL1 to ALL8 Alarm Low 1 to 24 ALh1 to ALh8 Alarm High 1 to 24 ALe1 to ALe8 Alarm Error 1 to 24 Er.1 to Er.16 Error Input 1 to 16 L.L1 to L.L4 Limit Low 1 to 16 L.h1 to L.h4 Limit High 1 to 16 L.e1 to L.e4 Limit Error 1 to 16 tUn1 to tUn9 Tuning 1 to 9 tU10 to tU16 Tuning 10 to 16 rP1 to rP16 Ramping 1 to 16 LPo1 to LP16 Loop Open Error 1 to 16 LP.r1 to LP.16 Loop Reversed Error 1 to 16 CEr1 to CEr4 Current Error hEr1 to hEr4 Heater Error uALh Value too large to be displayed (≥ 10000.0) uALL Value too small to be displayed (≤ -2000.0)</p>		an alarm or error message is active.
PSE1	<p>Profile Start Select a profile or step number that will be affected by Profile Action.</p>		<p>Note: Due to the fact that the RUI/GTW can be used with all EZ-ZONE controllers, the prompts and the number of instances shown below reflect features and the maximum values that could be available across the family of controllers at the time this manual was written. <i>The maximum values shown are subject to change in the future.</i> To determine the features and the maximum number of instances available for your controller please reference the associated product user manual.</p> <p>0 to 250</p>	0	the controller includes profiling.
PAC1	<p>Profile Action Request Select the action to apply to the profile or step selected in Profile Start.</p>		<p>nonE No Action ProF Start a Profile PAUS Pause rESU Resume End End</p>	None	the controller includes profiling










No Device Connected

If there is no device connected to the RUI/GTW or the controller on the selected zone is disconnected, **no** will appear in the upper display and **dEw** will appear in the lower display. Press the Infinity Key  to move to the next zone.

If a zone disappears, ensure that its Standard Bus address was not intentionally changed. Also, check all network wiring and ensure that communications wiring is routed separately from power wiring.

Changing the Position of a Controllers Operations Page and or Profiling Page in the Lockout Menu

To change the position of the Operations Page or Profiling Page in the Lockout Menu, you must go to the Lock Operations Page parameter `[LoCo]` or Lock Profiling Page parameter `[LoCP]` in the Lockout Menu in the Factory Page.

- To go to the Factory Page from the Home Page, press both the Advance  and Infinity  keys for six seconds. `[CuSE]` will appear in the Upper Display and `[FLtY]` will appear in the Lower Display.
- Press the Up  or Down  key to move to the Lockout Menu `[LoC]`.
- Press the Advance Key  to select a parameter.
- Press the Up  or Down  key to change the parameter value. The value you select (1, 2 or 3) will determine the position of the Operations Page or Profiling Pages in the Lockout Menu in the RUI Page.
- Press the Infinity Key  to move backwards through the levels: parameter to menu; menu to Home Page.
- Press and hold the Infinity Key  for two seconds to return to the Home Page.

Note:

`[rLoC]` and `[SLoC]` settings of the RUI will always take precedence over any other individual controller settings. In other words, if an RUI is on a network with multiple PM controllers where all of the PM controllers have `[SLoC]` set to 0 (not writable) and the RUI has `[SLoC]` set to 5, all writable parameters in all PM controllers can be written to via the RUI. Conversely, if all PM controllers have `[SLoC]` set to 5 and the RUI has it set to 0 all of the PM controllers will be write protected. If it is required that protection for any given controller not be overridden by the RUI turn to the Features section of the controller user manual and find the section entitled "Using Password Security".

Example 1

The operator wants to read all the menus and not allow any parameters to be changed.

In the RUI Page, Lockout Menu, set Read Lock `[rLoC]` to 5 and Set Lock `[SLoC]` to 0.

Example 2

The operator wants to read and write to the Home Page and Profiling Page, and lock all other pages and menus.

In the RUI Page, Lockout Menu, set Read Lock `[rLoC]` to 2 and Set Lock `[SLoC]` to 2.

In the Factory Page, Lockout Menu, set Lock Operations Page `[LoCo]` to 3 and Lock Profiling Page `[LoCP]` to 2.

Example 3

The operator wants to read the Operations Page, Setup Page, Profiling Page, Diagnostics Menu, Lock Menu, Calibration Menu and Custom Menus. The operator also wants to read and write to the Home Page.

In the RUI Page, Lockout Menu, set Read Lock `[rLoC]` to 1 and Set Lock `[SLoC]` to 5.

In the Factory Page, Lockout Menu, set Lock Operations Page `[LoCo]` to 2 and Lock Profiling Page `[LoCP]` to 3.

Programming the EZ Key Using an RUI

The following examples show how to program the EZ Key to start and stop a profile using PM, RM and ST family controllers.

Note:

This functionality is embedded in the configuration of the control, therefore, any "EZ" Function Key from any RUI pointing to the programmed control will assume the programmed function.

Using the RUI with PM Family Controllers

Note:

The steps shown below were created using PM firmware version 11.00. Slight differences may exist if your controller has a different version. The firmware version can be found by cycling power to the controller (first numerical value displayed in the upper display) or by navigating to the revision **[rEu]** prompt found in the Diagnostic Menu **[d,19]** in the Factory Page

1. Go to the Setup Page from the Home Page, press both the Up **[▲]** and Down **[▼]** keys for six seconds. **[R,]** will appear in the upper display and **[SEt]** will appear in the lower display.
2. Press the Up **[▲]** or Down **[▼]** key until **[FUN]** appears in the upper display and **[SEt]** will appear in the lower display.
3. Press the Advance Key **[⊕]** once. **[h,9h]** will appear in the upper display and **[LEu]** (high or low) will appear in the lower display. Select whether a high state or a low state will start the profile.
3. Press the Up **[▲]** or Down **[▼]** key to scroll through the functions that can be assigned to the EZ Key. When **[P,SEt]** (Profile Start/Stop) appears in the upper display and **[Fn]** appears in the lower display, press the Infinity Key once to select that function and move to the **[F,]** (Function Instance equals Profile 1, 2, 3 or 4) parameter.
4. Press the Up **[▲]** or Down **[▼]** key to select the profile of choice.
5. Press the Infinity Key **[∞]** once to return to the sub-menu, twice to return to the Home Page.

Using the RUI with RM Family Controllers

Note:

The steps shown below were created using RM firmware version 6.00. Slight differences may exist if your controller has a different version. The firmware version can be found by navigating to the revision **[rEu]** prompt found in the Diagnostic Menu **[d,19]** in the Factory Page.

1. Go to the Setup Page from the Home Page, press both the Up **[▲]** and Down **[▼]** keys for six seconds. **[R,]** will appear in the upper display and **[SEt]** will appear in the lower display.

2. Press the Up **[▲]** or Down **[▼]** key until the Action prompt **[ACT]** appears in the upper display and **[SEt]** will appear in the lower display.
3. Press the Advance Key **[⊕]** once and select the Action instance (1-8) using the Up **[▲]** or Down **[▼]** key. Upon entry, the upper display will show **[]** and the lower display will show **[ACT]**.
4. Press the Advance Key **[⊕]** once and then using the Up **[▲]** or Down **[▼]** key to select Profile Start/Stop **[P,SEt]** as the Function **[Fn]**.
5. Press the Advance Key **[⊕]** once and then using the Up **[▲]** or Down **[▼]** key select the Function Instance **[F,]** (Function Instance equals Profile 1, 2, 3...25).
6. Press the Advance Key **[⊕]** once to define the source of this Action by using the Up **[▲]** or Down **[▼]** key to select the Function Key **[Fun]** as the Source Function **[SFnR]**.
7. Press the Advance Key **[⊕]** once and then using the Up **[▲]** or Down **[▼]** key select the Source Instance **[S,]** (Source Instance in this case equals EZ-Key 1 or 2).
8. Press the Advance Key **[⊕]** once and then using the Up **[▲]** or Down **[▼]** key select the Source Zone **[SZR]** (Source Zone equals 0 -16).

Note:

Zone 0 represents the current module being configured while in this example, this selection represents the module in which the profile will run.

9. Press the Advance Key **[⊕]** once and then using the Up **[▲]** or Down **[▼]** key select the Level **[LEu]** desired to trigger the Action, high **[h,9h]** or low **[LobU]**.
10. Press the Infinity Key **[∞]** three times to return to the Home Page.

Using the RUI with ST Family Controllers










Note:

The steps shown below were created using PM firmware version 8.00. Slight differences may exist if your controller has a different version. The firmware version can be found by cycling power to the controller (first numerical value displayed in the upper display) or by navigating to the revision **[rEu]** prompt found in the Diagnostic Menu **[d,19]** in the Factory Page

1. Go to the Setup Page from the Home Page, press both the Up **[▲]** and Down **[▼]** keys for six seconds. **[R,]** will appear in the upper display and **[SEt]** will appear in the lower display.
2. Press the Up **[▲]** or Down **[▼]** key until **[FUN]** appears in the upper display and **[SEt]** will appear in the lower display.
3. Press the Advance Key **[⊕]** once. **[]** will appear in the upper display and **[FUN]** will appear in the lower display. At this time select instance 1.




Note:

As of this firmware revision (8.0), two instances appear to be available and selectable. However, instance 2 is provided for future firmware enhancements only.

4. Press the Advance Key  once and then using the Up  or Down  key to select Profile Start/Stop **PSES** as the Function .
5. Press the Advance Key  once and then using the Up  or Down  key select the Function Instance  (Function Instance equals Profile 1, 2, 3 or 4).
5. Press the Infinity Key  twice to return to the sub-menu, three times to return to the Home Page.

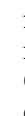
Default Home Pages


Watlow's patented user-defined menu system improves operational efficiency. The user-defined Home Page provides you with a shortcut to monitor or change the parameter values that you use most often. The default Home Pages for the EZ-ZONE PM Express, ST, Panel Mount (PM) and Rail Mount (RM) controllers are shown on the following pages. When a parameter normally located in the Setup Page or Operations Page is placed in the Home Page, it is accessible through both. If you change a parameter in the Home Page, it is automatically changed in its original page. If you change a parameter in its original page it is automatically changed in the Home Page.

Use the Advance Key  to step through the Home Page parameters. When not in pairs the parameter prompt will appear in the lower display, and the parameter value will appear in the upper display. You can use the Up  and Down  keys to change the value of writable parameters, just as you would in any other menu.



If Control Mode is set to Auto, the Process Value is in the upper display and the Closed Loop Set Point (read-write) is in the lower display.

If a profile is running, the process value is in the upper display and the Target Set Point (read only) is in the lower display. If Control Mode is set to Manual, the Process Value is in the upper display and the output power level (read-write) is in the lower display.









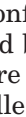


If Control Mode is set to Off, the Process Value is in the upper display and  (read only) is in the lower display.

If a sensor failure has occurred, the upper display will show four dashes  and the output power level (read-write) is in the lower display.



Changing the Set Point



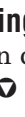



You can change the set point by using the Up  or Down  keys when a profile is not running.


Modifying the Home Page

To modify the Home Page proceed to the Factory Menu by pushing and holding the Advance  key and the Infinity  key for approximately six seconds. Upon entering the Factory Page the first menu will be the Custom Menu . Once there push the Advance  key where the lower display will show  and the upper display will show . Again, push the Advance  button where the prompt for the Process Value  will be displayed on the top and Parameter  on the bottom. Using the Up  or Down  arrow keys will allow for a customized selection of choice. There are twenty positions available that can be customized.

Modifying the Display Pairs

The Home Page, being a customized list of as many as 20 parameters can be configured in pairs of up to 10 via the Display Pairs  prompt found in the Global Menu  (Setup Page).

As stated above, the user can define pairs of prompts to appear on the display every time the Advance  key is pushed. For each controller the first pair will always be as defined in the Custom Menu and as stated will default (factory settings) to the Active Process Value loop 1 , and the Active Set Point loop 1 . For the Limit, it would be the Active Process Value , and Limit Status, either Safe  or Fail . When configuring the Custom Menu to your liking it should be noted that if 2 changeable (writable) prompts are displayed in a Pair, i.e., Control Mode on top and Idle Set Point on the bottom, only the lower display (Idle Set Point) can be changed.

On some controllers the display can also be configured to scroll automatically through multiple channels and then through all configured display pairs. Go to the Setup Page under the Global Menu and change the Display Time  prompt to something greater than 0. If set to 2, the display will scroll every 2 seconds from channel 1 to 2 (if present) and then through all of the custom pairs that are configured.

EZ-ZONE PM Express Home Page

Custom Menu Number	Home Page Display (defaults)	Parameter Name	Custom Menu Display (defaults)	Parameter Page and Menu
IF 4th digit of PN is equal to: PM _ [L] _ _ _ - _ _ _ _ B _ _ (Limit Controller)				
1 Upper or left display	(value only)	Active Process Value	ACP_v	Home Page
2 Lower or right display	SAFE or FAIL	Limit State	LSE	Home Page
----	(value only)	Limit Low Set Point	LLS	Operations Page
----	(value only)	Limit High Set Point	LhS	Operations Page
----	(value only)	Alarm Low Set Point	ALo	Operations Page
----	(value only)	Alarm high Set Point	Ah_i	Operations Page
----	(value only)	Calibration Offset	.CR	Operations Page
IF 4th digit of PN is equal to: PM _ [C] _ _ _ - _ _ _ _ B _ _ (PID Controller)				
1 Upper or left display	(value only)	Active Process Value	ACP_v	Home Page
2 Lower or right display	(value only)	Active Set Point	ACSP	Home Page
----	AUT_i	Autotune	----	Operations Menu
----	CM_i	User Control Mode	----	Operations Menu
----	hPb_i	Heat Proportional Band	----	Operations Menu
----	CPb_i	Cool Proportional Band	----	Operations Menu
----	t_i	Time Integral	----	Operations Menu
----	td_i	Time Derivative	----	Operations Menu
----	otb₁	Time Base Output 1	----	Operations Menu
----	otb₂	Time Base Output 2	----	Operations Menu
----	ALo_i	Alarm Low Set Point	----	Operations Menu
----	Ah_i	Alarm High Set Point	----	Operations Menu
----	.CR_i	Calibration Offset	----	Operations Menu

EZ-ZONE ST Home Page

Custom Menu Number	Home Page Display (defaults)	Parameter Name	Custom Menu Display (defaults)	Parameter Page and Menu
1 Upper Display	(value only)	Active Process Value	<input type="text" value="ACPV"/>	Operations Page, Analog Input Menu
2 Lower Display	(value only)	*Active Set Point	<input type="text" value="ACSP"/>	Operations Page, Monitor Menu
IF 4th digit of PN is equal to: ST _ [L] - _ _ _ _ - _ _ _ _ (Integrated Limit included)				
3	(value only)	Process Value Analog Input 2	<input type="text" value="Pro"/>	Operations Page, Analog Input Menu
4	<input type="text" value="LSt"/>	Limit State	<input type="text" value="LSt"/>	Operations Page, Limit Menu
IF 4th digit of PN is equal to: ST _ [A] - _ _ _ _ - _ _ _ _				
3	None	----	----	----
4	None	----	----	----
5	<input type="text" value="CPM"/>	User Control Mode	<input type="text" value="CPM"/>	Operations Page, Monitor Menu
6	<input type="text" value="hPrI"/>	Heat Power	<input type="text" value="hPr"/>	Operations Page, Monitor Menu
7	<input type="text" value="CPrI"/>	Cool Power	<input type="text" value="CPr"/>	Operations Page, Monitor Menu
8	<input type="text" value="AUTI"/>	Autotune	<input type="text" value="AUT"/>	Operations Page, Loop Menu
9	<input type="text" value="idSI"/>	Idle Set Point	<input type="text" value="idLE"/>	Operations Page, Loop Menu
IF 12th digit of PN is equal to: ST _ _ - _ _ _ _ - [P] _ _ (Profile Ramp and Soak included)				
10	<input type="text" value="PStI"/>	Profile Start	<input type="text" value="PSt"/>	Home Page only (See ST User Manual, Profile Page Chapter.)
11	<input type="text" value="PACI"/>	Profile Action Request	<input type="text" value="PAC"/>	Home Page only (See ST User Manual, Profile Page Chapter.)
IF 12th digit of PN is equal to: ST _ _ - _ _ _ _ - [A, S] _ _				
10 to 20	(skipped)	None	<input type="text" value="none"/>	(Add parameters to the Home Page in the Custom Menu, Factory Page.)

- * If Control Mode is set to Auto, the process value is in the upper display and the Closed Loop Set Point (read-write) is in the lower display.
- If a profile is running, the process value is in the upper display and the Target Set Point (read only) is in the lower display.
- If Control Mode is set to Manual, the process value is in the upper display and the output power level (read-write) is in the lower display.
- If Control Mode is set to Off, the process value is in the upper display and (read only) is in the lower display.
- If a sensor failure has occurred, is in the upper display and the output power level (read-write) is in the lower display.

EZ-ZONE PM Home Page

Custom Menu Number	Home Page Display	Home Page Defaults	Custom Menu Display (defaults)	Parameter Page and Menu
All Models				
1	Numerical value	Active Process Value (1)	ACP₁	Operations Page, Monitor Menu
2	Numerical value	Active Set Point (1)*	ACSP	Operations Page, Monitor Menu
IF 10th digit of PN is equal to: PM _ _ _ _ - _ [L, M] _ _ _ _				
3	Numerical value	Process Value (2)	ACP₂	Operations Page, Monitor Menu
4	SAFE or FAIL	Limit Status	ACSP	Home Page
IF 10th digit of PN is equal to: PM _ _ _ _ - _ [A, C, J, R, P, T] _ _ _ _				
3	P₁AR₂	Active Process Value (2)	ACP₂	Operations Page, Monitor Menu
4	CLSP₂	Closed Loop Set Point (2)	ACSP	Operations Page, Monitor Menu
5	CP₁	User Control Mode (1)	CP₁	Operations Page, Monitor Menu
6	HP₁	Heat Power (1)	HP₁	Operations Page, Monitor Menu
7	CP₁	Cool Power (1)	CP₁	Operations Page, Monitor Menu
8	AUT₁	Autotune (1)	AUT	Operations Page, Loop Menu
9	ID₁	Idle (1)	IDLE	Operations Page, Loop Menu
10	CP₂	User Control Mode (2)	CP₂	Operations Page, Monitor Menu
11	HP₂	Heat Power (2)	HP₂	Operations Page, Monitor Menu
12	CP₂	Cool Power (2)	CP₂	Operations Page, Monitor Menu
13	AUT₂	Autotune (2)	AUT	Operations Page, Loop Menu
14	ID₂	Idle (2)	IDLE	Operations Page, Loop Menu
IF 10th digit of PN is equal to: PM _ _ _ _ - _ [L, M] _ _ _ _				
15	LLS₁	Limit Set Point Low	LLS	Operations Page, Limit Menu
16	LHS₁	Limit Set Point High	LHS	Operations Page, Limit Menu
IF 10th digit of PN is equal to: PM _ _ _ _ - _ [R, B, N, E] _ _ _ _				
17	PSE₁	Start Profile	PSE₁	Home Page only (See Profile Page Chapter.)
18	PAC₁	Action Request	PAC₁	Home Page only (See Profile Page Chapter.)
19		None		
20		None		

- * If Control Mode is set to Auto, the process value is in the upper display and the Closed Loop Set Point (read-write) is in the lower display.
 If a profile is running, the process value is in the upper display and the Target Set Point (read only) is in the lower display.
 If Control Mode is set to Manual, the process value is in the upper display and the output power level (read-write) is in the lower display.
 If Control Mode is set to Off, the process value is in the upper display and **OFF** (read only) is in the lower display.
 If a sensor failure has occurred, **---** is in the upper display and the output power level (read-write) is in the lower display.

Note:

Numbers within parenthesis indicates the instance.

EZ-ZONE RMC (Controller) Home Page

Custom Menu Number	Home Page Display	Parameter Name	Custom Menu Display	Parameter Page and Menu
1 Upper Display	Numerical value	Active Process Value	Ac.Pv	Operations Page, Analog Input Menu
2 Lower Display	Numerical value	Active Set Point	Ac.SP	Operations Page, Monitor Menu
3	C.P.M	Control Mode	C.P.M	Operations Page, Loop Menu
4	h.P.r	Heat Power	h.P.r	Operations Page, Monitor Menu
5	C.P.r	Cool Power*	C.P.r	Operations Page, Monitor Menu
6	Aut.t	Autotune	Aut.t	Operations Page, Loop Menu
7	id.S	Idle Set Point	id.LE	Operations Page, Loop Menu
IF 4th digit of PN is equal to: RM _ [3, 4] _ _ _ _ _ (Profile Ramp and Soak included)				
8	P.S.t	Profile Start	P.S.t	Home Page only (See Profile Page Chapter.)
9	P.A.C	Profile Action Request	P.A.C	Home Page only (See Profile Page Chapter.)
10 to 20	(skipped)	None	nonE	(Add parameters to the Home Page in the Custom Menu, Factory Page.)

EZ-ZONE RME (Expansion) Home Page

Custom Menu Number	Home Page Display	Parameter Name	Custom Menu Display	Parameter Page and Menu
1 Upper Display	(skipped)	None	nonE	(Add parameters to the Home Page in the Custom Menu, Factory Page.)
2 Lower Display	U.F	Display Units	C.F	Setup Page, Global Menu
3	ALo	Alarm Set Point Low	ALo	Operations Page, Alarm Menu
4	ALh	Alarm Set Point High	ALh	Operations Page, Alarm Menu
5 to 20	(skipped)	None	nonE	(Add parameters to the Home Page in the Custom Menu, Factory Page.)

EZ-ZONE RMS (Scanner) Home Page

Custom Menu Number	Home Page Display	Parameter Name	Custom Menu Display	Parameter Page and Menu
1 Upper Display	Numerical value	Active Process Value 1	Ac.Pv	Operations Page, Analog Input Menu
2 Lower Display	Numerical value	Active Process Value 2	Ac.Pv	Operations Page, Analog Input Menu
3 - 16	Same as above instance 3 - 16			
17 - 30	(skipped)	None	nonE	(Add parameters to the Home Page in the Custom Menu, Factory Page.)

EZ-ZONE RMH (High Density) Home Page

Custom Menu Number	Home Page Display	Parameter Name	Custom Menu Display	Parameter Page and Menu
1 Upper Display	Numerical value	Active Process Value 1	Rc.Pv	Operations Page, Analog Input Menu
2 Lower Display	Numerical value	Active Set Point 1	Rc.SP	Operations Page, Monitor Menu
3	C.P.M	Control Mode	C.P.M	Operations Page, Loop Menu
4 to 48	Same as above instance 4 - 16			
49 to 50	(skipped)	None	none	(Add parameters to the Home Page in the Custom Menu, Factory Page.)

EZ-ZONE RML (Limit) Home Page

Custom Menu Number	Home Page Display	Parameter Name	Custom Menu Display	Parameter Page and Menu
1 Upper Display	Numerical value	Active Process Value 1	Rc.Pv	Operations Page, Analog Input Menu
2 Lower Display	Safe or Fail	Limit Status	L.St	Setup Page, Global Menu
3 to 24	Same as above instance 4 - 16			
25 to 30	(skipped)	None	none	(Add parameters to the Home Page in the Custom Menu, Factory Page.)

EZ-ZONE RMA (Access) Home Page

Custom Menu Number	Home Page Display	Parameter Name	Custom Menu Display	Parameter Page and Menu
1 Upper Display	EZ-ZONE RMA	None	----	Cannot be modified
2 Lower Display	RMA Part Number	Part Number	----	Cannot be modified