



## EZ-ZONE® PM Limit Controller Models

Company Name:	
Controller Firmware Revision:	14.00
Controller Model Number:	
Application:	

Enter your company name, controller model number and application usage above. Then use this spreadsheet to document application settings for the EZ-ZONE PM Limit models. This is a master template so all possible parameters are listed. Your model will not include all parameters or instances of menus.

There are four Pages for programming in the product -

**Factory Page** - Used to determine what is displayed at the Home Page, perform Diagnostics, and perform Calibration.

**Setup Page** - Used to configure the controller one time for the application.

**Operation Page** - Used to change parameters for day to day activity such as limit set points.

**Profiling Page** - Used to create profile steps to be executed when ready to sequence the controller setpoint over time.

Modbus and EtherNet/IP tabs are for recording communication settings.

Select the appropriate tab in this document for the Page of Menu items to document. Install the included font file in the C:\WINDOWS\Fonts directory to have the seven segment fonts appear correctly.

The column labeled 'Default' records the settings as delivered from the factory. The column labeled 'User Value' is where you may record the settings for your application. Parameters displayed in a menu are based on hardware present in your model and other parameter's settings, therefore you may not see all parameters as you navigate the menu. Each section may contain more than one instance of a function. Record your settings in the appropriate instance section. As an example; there may be two analog inputs (instance 1 and instance 2). Cells highlighted in yellow are the only parameters that may be changed.

## EZ-ZONE PM Limit - Factory Page

Rev. E

Parameter	Parameter Name	Default	User Value	Appears if:
<b>A</b> <b>oPEr</b>	<b>Analog Input Menu - Operations Page</b>			Always
<b>1</b> <b>A</b>	<b>Instance 1 - Analog Input</b>			Submenu instance only appear if more than one instance.
<b>A</b> <b>in</b>	Analog Input Value	Read Only		Always
<b>E</b> <b>r</b>	Input Error	Read Only		Always
<b>C</b> <b>A</b>	Calibration Offset	<b>0.0</b>		Always
<b>d</b> <b>io</b> <b>oPEr</b>	<b>Digital Input/Output Menu - Operations Page</b>			If 5th digit of model number is 2 or 4.
<b>5</b> <b>d</b> <b>io</b>	<b>Instance 5 - Digital I/O</b>			If 5th digit of model number is 2 or 4.
<b>d</b> <b>o</b> <b>S</b>	Output State	Read Only		If direction is set as output.
<b>E</b> <b>i</b> <b>S</b>	Event Status	Read Only		If direction is set as input.
<b>6</b> <b>d</b> <b>io</b>	<b>Instance 6 - Digital I/O</b>			If 5th digit of model number is 2 or 4.
<b>d</b> <b>o</b> <b>S</b>	Output State	Read Only		If direction is set as output.
<b>E</b> <b>i</b> <b>S</b>	Event Status	Read Only		If direction is set as input.
<b>L</b> <b>im</b> <b>oPEr</b>	<b>Limit Menu - Operations Page</b>			If 4th digit of model number is L, M.
<b>L</b> <b>L</b> <b>S</b>	Low Limit Set Point	0.0 F or -18.0 C		If limit sides is low or both.
<b>L</b> <b>h</b> <b>S</b>	High Limit Set Point	0.0 F or -18.0 C		If limit sides is high or both.
<b>L</b> <b>C</b> <b>r</b>	Clear Limit	<b>CLr</b>		If limit is tripped.
<b>L</b> <b>S</b> <b>t</b>	Limit State	Read Only		Always
<b>ALP</b> <b>oPEr</b>	<b>Alarm Menu - Operations Page</b>			Always
<b>1</b> <b>ALP</b>	<b>Instance 1 - Alarm</b>			Always
<b>A</b> <b>L</b> <b>o</b>	Low Set Point	32.0 F or 0.0 C		Always
<b>A</b> <b>h</b> <b>i</b>	High Set Point	300.0 F or 150.0 C		Always
<b>A</b> <b>C</b> <b>L</b> <b>r</b>	Clear Alarm	<b>CLr</b>		If alarm is active and alarm latching is set to latch.
<b>A</b> <b>S</b> <b>i</b> <b>r</b>	Silence Alarm	<b>S.iL</b>		If alarm is active and alarm silencing is on.
<b>A</b> <b>S</b> <b>t</b>	Alarm State	Read Only		Always
<b>2</b> <b>ALP</b>	<b>Instance 2 - Alarm</b>			Always
<b>A</b> <b>L</b> <b>o</b>	Low Set Point	32.0 F or 0.0 C		Always
<b>A</b> <b>h</b> <b>i</b>	High Set Point	300.0 F or 150.0 C		Always
<b>A</b> <b>C</b> <b>L</b> <b>r</b>	Clear Alarm	<b>CLr</b>		If alarm is active and alarm latching is set to latch.

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<input type="checkbox"/> <b>AS</b> <input type="checkbox"/> <b>ir</b>	Silence Alarm	<input type="checkbox"/> <b>S</b> <input type="checkbox"/> <b>IL</b>		If alarm is active and alarm silencing is on.
<input type="checkbox"/> <b>AS</b> <input type="checkbox"/> <b>Et</b>	Alarm State		Read Only	Always
<input type="checkbox"/> <b>3</b> <input type="checkbox"/> <b>ALP7</b>	Instance 3 - Alarm			Always
<input type="checkbox"/> <b>AL</b> <input type="checkbox"/> <b>o</b>	Low Set Point	32.0 F or 0.0 C		Always
<input type="checkbox"/> <b>Ah</b> <input type="checkbox"/> <b>i</b>	High Set Point	300.0 F or 150.0 C		Always
<input type="checkbox"/> <b>ACL</b> <input type="checkbox"/> <b>r</b>	Clear Alarm	<input type="checkbox"/> <b>CL</b> <input type="checkbox"/> <b>r</b>		If alarm is active and alarm latching is set to latch.
<input type="checkbox"/> <b>AS</b> <input type="checkbox"/> <b>ir</b>	Silence Alarm	<input type="checkbox"/> <b>S</b> <input type="checkbox"/> <b>IL</b>		If alarm is active and alarm silencing is on.
<input type="checkbox"/> <b>AS</b> <input type="checkbox"/> <b>Et</b>	Alarm State		Read Only	Always
<input type="checkbox"/> <b>4</b> <input type="checkbox"/> <b>ALP7</b>	Instance 4 - Alarm			Always
<input type="checkbox"/> <b>AL</b> <input type="checkbox"/> <b>o</b>	Low Set Point	32.0 F or 0.0 C		Always
<input type="checkbox"/> <b>Ah</b> <input type="checkbox"/> <b>i</b>	High Set Point	300.0 F or 150.0 C		Always
<input type="checkbox"/> <b>ACL</b> <input type="checkbox"/> <b>r</b>	Clear Alarm	<input type="checkbox"/> <b>CL</b> <input type="checkbox"/> <b>r</b>		If alarm is active and alarm latching is set to latch.
<input type="checkbox"/> <b>AS</b> <input type="checkbox"/> <b>ir</b>	Silence Alarm	<input type="checkbox"/> <b>S</b> <input type="checkbox"/> <b>IL</b>		If alarm is active and alarm silencing is on.
<input type="checkbox"/> <b>AS</b> <input type="checkbox"/> <b>Et</b>	Alarm State		Read Only	Always

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Parameter	Parameter Name	Default	User Value	Appears if:
<div><div>A</div><div>SEt</div></div>	Analog Input Menu - Setup Page			Always
<div><div>I</div><div>A</div></div>	Instance 1 - Analog Input			Submenu instance only appears if more than one instance.
<div><div>SEn</div></div>	Sensor Type	<div><div>tc</div></div>		If 4th digit of model number is L or M.
<div><div>LIn</div></div>	TC Linearization	<div><div>J</div></div>		If Sensor Type is set to Thermocouple
<div><div>rEL</div></div>	RTD Leads	<div><div>2</div></div>		If Sensor Type is set to RTD
<div><div>UnIt</div></div>	Units	<div><div>Pro</div></div>		If Sensor Type is set to Process
<div><div>SLo</div></div>	Scale Low	<div><div>0.0</div></div>		If Sensor Type is set to Process
<div><div>ShI</div></div>	Scale High	<div><div>200</div></div>		If Sensor Type is set to Process
<div><div>rLo</div></div>	Range Low	<div><div>0.0</div></div>		If Sensor Type is set to Process
<div><div>rHi</div></div>	Range High	<div><div>9999</div></div>		If Sensor Type is set to Process
<div><div>PEE</div></div>	Process Error Enable	<div><div>oFF</div></div>		If Sensor Type is set to Process
<div><div>PEL</div></div>	Process Error Low Value	<div><div>0.0</div></div>		If Sensor Type is set to Process
<div><div>tC</div></div>	Thermistor Curve	<div><div>A</div></div>		If 4th digit of model number is M.
<div><div>rR</div></div>	Resistance Range	<div><div>40</div></div>		If 4th digit of model number is M.
<div><div>FIL</div></div>	Filter	<div><div>0.5</div></div>		Always
<div><div>IEr</div></div>	Input Error Latching	<div><div>oFF</div></div>		Always
<div><div>dEC</div></div>	Display Precision	<div><div>0</div></div>		Always
<div><div>ICR</div></div>	Calibration Offset	<div><div>0.0</div></div>		Always
<div><div>AIn</div></div>	Analog Input Value	Read Only		Always
<div><div>IEr</div></div>	Input Error	Read Only		Always
<div><div>dIo</div><div>SEt</div></div>	Digital Input/Output Menu - Setup Page			If 5th digit of model number is 2 or 4
<div><div>5</div><div>dIo</div></div>	Instance 5 - Digital I/O			If 5th digit of model number is 2 or 4
<div><div>dIr</div></div>	Direction	<div><div>oEPt</div></div>		Always
<div><div>Fn</div></div>	Output Function	<div><div>oFF</div></div>		If Digital I/O Direction is set to output.
<div><div>F1</div></div>	Output Function Instance	<div><div>1</div></div>		If Digital I/O Direction is set to output.
<div><div>LEu</div></div>	Active Level	<div><div>h,9h</div></div>		If Digital I/O Direction is set to input.
<div><div>Fn</div></div>	Action Function	<div><div>nonE</div></div>		If Digital I/O Direction is set to input.
<div><div>F1</div></div>	Function Instance	<div><div>0</div></div>		If Digital I/O Direction is set to input.
<div><div>6</div><div>dIo</div></div>	Instance 6 - Digital I/O			If 5th digit of model number is 2 or 4
<div><div>dIr</div></div>	Direction	<div><div>oEPt</div></div>		Always
<div><div>Fn</div></div>	Output Function	<div><div>oFF</div></div>		If Digital I/O Direction is set to output.
<div><div>F1</div></div>	Output Function Instance	<div><div>1</div></div>		If Digital I/O Direction is set to output.

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<b>LEu</b>	Active Level	<b>h.9h</b>		If Digital I/O Direction is set to input.
<b>F<sub>n</sub></b>	Action Function	<b>nonE</b>		If Digital I/O Direction is set to input.
<b>F<sub>i</sub></b>	Function Instance	<b>0</b>		If Digital I/O Direction is set to input.
<b>L.07</b> <b>SEt</b>	<b>Limit Menu - Setup Page</b>			If 4th digit of model number is L or M.
<b>LSd</b>	Sides	<b>both</b>		If limit sides is low or both.
<b>LhY</b>	Hysteresis	3.0 F or 2.0 C		If limit sides is high or both.
<b>SPLh</b>	Maximum Set Point	<b>9999</b>		If limit is tripped.
<b>SPLL</b>	Minimum Set Point	<b>9999</b>		Always
<b>LhS</b>	High Limit Set Point	0.0 F or -18.0 C		Always
<b>LLS</b>	Low Limit Set Point	0.0 F or -18.0 C		Always
<b>SFnA</b>	Source Function A	<b>nonE</b>		Always
<b>S<sub>i</sub>A</b>	Source Instance A	<b>1</b>		Always
<b>LCr</b>	Clear Limit	appears if active		Always
<b>LSE</b>	Limit Status	Read Only		Always
<b>AL07</b> <b>SEt</b>	<b>Alarm Menu - Setup Page</b>			Always
<b>1</b> <b>AL07</b>	<b>Instance 1 - Alarm</b>			Always
<b>AEY</b>	Type	<b>oFF</b>		Always
<b>SrA</b>	Alarm Source	<b>A<sub>i</sub></b>		If alarm type is process.
<b>S<sub>i</sub>A</b>	Alarm Source Instance	<b>1</b>		If alarm type is process.
<b>AhY</b>	Hysteresis	<b>1</b>		If alarm type is process.
<b>AL9</b>	Logic	<b>ALC</b>		If alarm type is process.
<b>ASd</b>	Sides	<b>both</b>		If alarm type is process.
<b>ALo</b>	Low Set Point	32.0 F or 0.0 C		If alarm type is process AND alarm sides is low or both.
<b>Ah<sub>i</sub></b>	High Set Point	300.0 F or 150.0 C		If alarm type is process AND alarm sides is low or both.
<b>ALA</b>	Latching	<b>nLAE</b>		If alarm type is process.
<b>AbL</b>	Blocking	<b>oFF</b>		If alarm type is process.
<b>AS<sub>i</sub></b>	Silencing	<b>oFF</b>		If alarm type is process.
<b>AdSP</b>	Alarm Display	<b>on</b>		If alarm type is process.
<b>AdL</b>	Delay Time	<b>0</b>		If alarm type is process.
<b>ACLCr</b>	Clear Alarm	<b>CLr</b>		If alarm is active.
<b>AS<sub>i</sub>r</b>	Silence Alarm	<b>S<sub>i</sub>L</b>		If alarm is active AND silencing is on.
<b>ASE</b>	Alarm State	Read Only		Always
<b>2</b> <b>AL07</b>	<b>Instance 2 - Alarm</b>			Always

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<input type="text" value="ALY"/>	Type	<input type="text" value="OFF"/>		Always
<input type="text" value="SRP"/>	Alarm Source	<input type="text" value="A1"/>		If alarm type is process.
<input type="text" value="ISA"/>	Alarm Source Instance	<input type="text" value="1"/>		If alarm type is process.
<input type="text" value="Ahy"/>	Hysteresis	<input type="text" value="1"/>		If alarm type is process.
<input type="text" value="ALG"/>	Logic	<input type="text" value="ALC"/>		If alarm type is process.
<input type="text" value="ASd"/>	Sides	<input type="text" value="both"/>		If alarm type is process.
<input type="text" value="ALo"/>	Low Set Point	32.0 F or 0.0 C		If alarm type is process AND alarm sides is low or both.
<input type="text" value="Ahi"/>	High Set Point	300.0 F or 150.0 C		If alarm type is process AND alarm sides is low or both.
<input type="text" value="ALA"/>	Latching	<input type="text" value="nLAE"/>		If alarm type is process.
<input type="text" value="ABL"/>	Blocking	<input type="text" value="OFF"/>		If alarm type is process.
<input type="text" value="AS1"/>	Silencing	<input type="text" value="OFF"/>		If alarm type is process.
<input type="text" value="AdSP"/>	Alarm Display	<input type="text" value="on"/>		If alarm type is process.
<input type="text" value="AdL"/>	Delay Time	<input type="text" value="0"/>		If alarm type is process.
<input type="text" value="ACLR"/>	Clear Alarm	<input type="text" value="CLR"/>		If alarm is active.
<input type="text" value="AS1r"/>	Silence Alarm	<input type="text" value="S1L"/>		If alarm is active AND silencing is on.
<input type="text" value="ASE"/>	Alarm State	Read Only		Always
<input type="text" value="3 ALP7"/>	Instance 3 - Alarm			Always
<input type="text" value="ALY"/>	Type	<input type="text" value="OFF"/>		Always
<input type="text" value="SRP"/>	Alarm Source	<input type="text" value="A1"/>		If alarm type is process.
<input type="text" value="ISA"/>	Alarm Source Instance	<input type="text" value="1"/>		If alarm type is process.
<input type="text" value="Ahy"/>	Hysteresis	<input type="text" value="1"/>		If alarm type is process.
<input type="text" value="ALG"/>	Logic	<input type="text" value="ALC"/>		If alarm type is process.
<input type="text" value="ASd"/>	Sides	<input type="text" value="both"/>		If alarm type is process.
<input type="text" value="ALo"/>	Low Set Point	32.0 F or 0.0 C		If alarm type is process AND alarm sides is low or both.
<input type="text" value="Ahi"/>	High Set Point	300.0 F or 150.0 C		If alarm type is process AND alarm sides is low or both.
<input type="text" value="ALA"/>	Latching	<input type="text" value="nLAE"/>		If alarm type is process.
<input type="text" value="ABL"/>	Blocking	<input type="text" value="OFF"/>		If alarm type is process.
<input type="text" value="AS1"/>	Silencing	<input type="text" value="OFF"/>		If alarm type is process.
<input type="text" value="AdSP"/>	Alarm Display	<input type="text" value="on"/>		If alarm type is process.
<input type="text" value="AdL"/>	Delay Time	<input type="text" value="0"/>		If alarm type is process.
<input type="text" value="ACLR"/>	Clear Alarm	<input type="text" value="CLR"/>		If alarm is active.
<input type="text" value="AS1r"/>	Silence Alarm	<input type="text" value="S1L"/>		If alarm is active AND silencing is on.
<input type="text" value="ASE"/>	Alarm State	Read Only		Always
<input type="text" value="4 ALP7"/>	Instance 4 - Alarm			Always

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<b>ALY</b>	Type	<b>oFF</b>	Always
<b>SR</b>	Alarm Source	<b>A</b>	If alarm type is process.
<b>SR</b>	Alarm Source Instance	<b>1</b>	If alarm type is process.
<b>AHY</b>	Hysteresis	<b>1</b>	If alarm type is process.
<b>ALG</b>	Logic	<b>ALC</b>	If alarm type is process.
<b>ASd</b>	Sides	<b>both</b>	If alarm type is process.
<b>ALo</b>	Low Set Point	32.0 F or 0.0 C	If alarm type is process AND alarm sides is low or both.
<b>Ah</b>	High Set Point	300.0 F or 150.0 C	If alarm type is process AND alarm sides is low or both.
<b>ALA</b>	Latching	<b>nLAE</b>	If alarm type is process.
<b>ABL</b>	Blocking	<b>oFF</b>	If alarm type is process.
<b>AS</b>	Silencing	<b>oFF</b>	If alarm type is process.
<b>AdSP</b>	Alarm Display	<b>on</b>	If alarm type is process.
<b>AdL</b>	Delay Time	<b>0</b>	If alarm type is process.
<b>ALCr</b>	Clear Alarm	<b>CLr</b>	If alarm is active.
<b>ASir</b>	Silence Alarm	<b>S.L</b>	If alarm is active AND silencing is on.
<b>ASL</b>	Alarm State	Read Only	Always

<b>FUn</b> <b>SEt</b>	Function Key Menu - Setup Page		If 3rd digit of part number is 6, 8, 9 or 4.
<b>1</b> <b>FUn</b>	Instance 1 - Function Key (not PM3)		Always
<b>LEu</b>	Active Level	<b>h.9h</b>	Always
<b>Fn</b>	Action Function	<b>nonE</b>	Always
<b>Fi</b>	Function Instance	<b>0</b>	If action function selected.
<b>2</b> <b>FUn</b>	Instance 2 - Function Key (not PM6)		If 3rd digit of part number is 8, 9 or 4.
<b>LEu</b>	Active Level	<b>h.9h</b>	Always
<b>Fn</b>	Action Function	<b>nonE</b>	Always
<b>Fi</b>	Function Instance	<b>0</b>	If action function selected.

<b>9LbL</b> <b>SEt</b>	Global Menu - Setup Page		Always
<b>C_F</b>	Display Units	<b>F</b>	Always
<b>ACLF</b>	AC Line Frequency	<b>60</b>	Always
<b>CLEd</b>	Communications LED Action	<b>both</b>	Always
<b>2onE</b>	Zone	<b>on</b>	Always
<b>ChRn</b>	Channel	<b>on</b>	Always
<b>dPrS</b>	Display Pairs	<b>2</b>	Always
<b>dEt</b>	Display Time	<b>0</b>	Always

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<b>U5r5</b>	Save Settings As	<b>nonE</b>		Always
<b>U5rr</b>	Restore Settings From	<b>nonE</b>		Always

  

<b>Com7</b>	<b>SEt</b>	<b>Communications Menu - Setup Page</b>			Always
<b>1</b>	<b>Com7</b>	<b>Instance 1 - Communication</b>			Always
		<b>Standard Bus and Modbus RTU Model</b>			If 8th digit of part number 1 for Modbus RTU.
<b>PcOL</b>	Protocol	Modbus or Standard Bus			If 8th digit of part number 1.
<b>Ad5</b>	Standard Bus Address		<b>1</b>		Always
<b>AdP7</b>	Modbus Address		<b>1</b>		If 8th digit of part number 1 AND protocol is set to Modbus.
<b>bAUD</b>	Baud Rate		<b>9600</b>		If 8th digit of part number 1 AND protocol is set to Modbus.
<b>PAR</b>	Parity		<b>nonE</b>		If 8th digit of part number 1 AND protocol is set to Modbus.
<b>C_F</b>	Display Units		<b>F</b>		If 8th digit of part number 1.
<b>P7hL</b>	Modbus Word Order		<b>Lo h i</b>		If 8th digit of part number 1 AND protocol is set to Modbus.
<b>P7AP</b>	Data Map		1 or 2		Always
<b>nUS</b>	Non-Volatile Save		<b>YES</b>		Always
<b>2</b>	<b>Com7</b>	<b>Instance 2 - Communication</b>			If 8th digit of part number is 2, 3, 5, or 6,.
		<b>Modbus RTU Model</b>			If 8th digit of part number is 2.
<b>AdP7</b>	Modbus Address		<b>1</b>		Always
<b>bAUD</b>	Baud Rate		<b>9600</b>		Always
<b>PAR</b>	Parity		<b>nonE</b>		Always
<b>P7hL</b>	Modbus Word Order		<b>Lo h i</b>		Always
<b>C_F</b>	Display Units		<b>F</b>		Always
<b>P7AP</b>	Data Map		1 or 2		Always
<b>nUS</b>	Non-Volatile Save		<b>YES</b>		Always
		<b>Ethernet Model</b>			If 8th digit of part number is 3.
<b>P7hL</b>	Modbus Word Order		<b>Lo h i</b>		Always
<b>.P77</b>	IP Address Mode		<b>DHCP</b>		Always
<b>.PF1</b>	IP Fixed Address Part 1		<b>169</b>		Always
<b>.PF2</b>	IP Fixed Address Part 2		<b>254</b>		Always
<b>.PF3</b>	IP Fixed Address Part 3		<b>1</b>		Always
<b>.PF4</b>	IP Fixed Address Part 4		<b>1</b>		Always
<b>.PS1</b>	IP Fixed Subnet Part 1		<b>255</b>		Always
<b>.PS2</b>	IP Fixed Subnet Part 2		<b>255</b>		Always
<b>.PS3</b>	IP Fixed Subnet Part 3		<b>0</b>		Always
<b>.PS4</b>	IP Fixed Subnet Part 4		<b>0</b>		Always



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<b>.P91</b>	IP Fixed Gateway Part 1	<b>0</b>		Always
<b>.P92</b>	IP Fixed Gateway Part 2	<b>0</b>		Always
<b>.P93</b>	IP Fixed Gateway Part 3	<b>0</b>		Always
<b>.P94</b>	IP Fixed Gateway Part 4	<b>0</b>		Always
<b>r7bE</b>	Modbus TCP Enable	<b>YES</b>		Always
<b>E.PE</b>	EtherNet/IP Enable	<b>YES</b>		Always
<b>R.o.n.b</b>	Implicit Output Assembly Size	<b>20</b>		If EtherNet/IP Enable is set to yes.
<b>R.i.n.b</b>	Implicit Input Assembly Size	<b>20</b>		If EtherNet/IP Enable is set to yes.
<b>C.F</b>	Display Units	<b>F</b>		Always
<b>r7AP</b>	Data Map	1 or 2		Always
<b>nUS</b>	Non-volatile Save	<b>YES</b>		Always
<b>DeviceNet Model</b>				If 8th digit of part number 5.
<b>R.d.d</b>	DeviceNet Node Address	<b>63</b>		Always
<b>bAUd</b>	Baud Rate DeviceNet	<b>125</b>		Always
<b>F.C.E</b>	DeviceNet Quick Connect Enable	<b>no</b>		Always
<b>R.o.n.b</b>	Implicit Output Assembly Size	<b>20</b>		Always
<b>R.i.n.b</b>	Implicit Input Assembly Size	<b>20</b>		Always
<b>Profibus Model</b>				If 8th digit of part number 6.
<b>P.R.d.d</b>	Profibus Node Address	<b>126</b>		Always
<b>R.L.o.c</b>	Profibus Address Lock	<b>no</b>		Always
<b>S.t.R.t</b>	Profibus Status User	Read Only		Always

## EZ-ZONE PM Limit - Factory Page

Rev. E

Parameter	Parameter Name	Default	User Value	Appears if:
<b>CUSE</b> <b>FCE4</b>	Custom Menu - Factory Page			Always
<b>1</b> <b>CUSE</b>	Instance 1 - Custom			Always
<b>PR</b>	Parameter	<b>Pro</b>		
<b>ID</b>	Instance ID	<b>1</b>		If more than one instance of Parameter
<b>2</b> <b>CUSE</b>	Instance 2 - Custom			Always
<b>PR</b>	Parameter	<b>LSE</b>		
<b>ID</b>	Instance ID	<b>1</b>		If more than one instance of Parameter
<b>3</b> <b>CUSE</b>	Instance 3 - Custom			Always
<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID	<b>1</b>		If more than one instance of Parameter
<b>4</b> <b>CUSE</b>	Instance 4 - Custom			Always
<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID	<b>1</b>		If more than one instance of Parameter
<b>5</b> <b>CUSE</b>	Instance 5 - Custom			Always
<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID	<b>1</b>		If more than one instance of Parameter
<b>6</b> <b>CUSE</b>	Instance 6 - Custom			Always
<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID	<b>1</b>		If more than one instance of Parameter
<b>7</b> <b>CUSE</b>	Instance 7 - Custom			Always
<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID	<b>1</b>		If more than one instance of Parameter
<b>8</b> <b>CUSE</b>	Instance 8 - Custom			Always
<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID	<b>1</b>		If more than one instance of Parameter
<b>9</b> <b>CUSE</b>	Instance 9 - Custom			Always

## EZ-ZONE PM Limit - Factory Page

Rev. E

<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID		<b>!</b>	If more than one instance of Parameter
<b>10 CUST</b>	Instance 10 - Custom			Always
<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID		<b>!</b>	If more than one instance of Parameter
<b>11 CUST</b>	Instance 11 - Custom			Always
<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID		<b>!</b>	If more than one instance of Parameter
<b>12 CUST</b>	Instance 12 - Custom			Always
<b>PR</b>	Parameter	Model dependent		
<b>ID</b>	Instance ID		<b>!</b>	If more than one instance of Parameter
<b>13 CUST</b>	Instance 13 - Custom			Always
<b>PR</b>	Parameter		<b>nonE</b>	
<b>ID</b>	Instance ID		<b>!</b>	If more than one instance of Parameter
<b>14 CUST</b>	Instance 14 - Custom			Always
<b>PR</b>	Parameter		<b>nonE</b>	
<b>ID</b>	Instance ID		<b>!</b>	If more than one instance of Parameter
<b>15 CUST</b>	Instance 15 - Custom			Always
<b>PR</b>	Parameter		<b>nonE</b>	
<b>ID</b>	Instance ID		<b>!</b>	If more than one instance of Parameter
<b>16 CUST</b>	Instance 16 - Custom			Always
<b>PR</b>	Parameter		<b>nonE</b>	
<b>ID</b>	Instance ID		<b>!</b>	If more than one instance of Parameter
<b>17 CUST</b>	Instance 17 - Custom			Always
<b>PR</b>	Parameter		<b>nonE</b>	
<b>ID</b>	Instance ID		<b>!</b>	If more than one instance of Parameter
<b>18 CUST</b>	Instance 18 - Custom			Always
<b>PR</b>	Parameter		<b>nonE</b>	

## EZ-ZONE PM Limit - Factory Page

Rev. E

<b>.id</b>	Instance ID	<b>1</b>		<i>If more than one instance of Parameter</i>
<b>19 CUST</b>	Instance 19 - Custom			Always
<b>PAR</b>	Parameter	<b>none</b>		
<b>.id</b>	Instance ID	<b>1</b>		<i>If more than one instance of Parameter</i>
<b>20 CUST</b>	Instance 20 - Custom			Always
<b>PAR</b>	Parameter	<b>none</b>		
<b>.id</b>	Instance ID	<b>1</b>		<i>If more than one instance of Parameter</i>

<b>LoC Fcty</b>	Security Setting Menu - Factory Page			<i>If Password Enable is set off.</i>
<b>LoCo</b>	Operations Page	<b>2</b>		Always
<b>LoCP</b>	Profiling Page	<b>3</b>		Always
<b>PASE</b>	Password Enable	<b>off</b>		Always
<b>rLoC</b>	Read Lockout Security	<b>5</b>		Always
<b>SLoC</b>	Set Lockout Security	<b>5</b>		Always
<b>LoCL</b>	Locked Access Level	<b>5</b>		Always
<b>roLL</b>	Rolling Password	<b>off</b>		Always
<b>PASw</b>	User Password	<b>63</b>		Always
<b>PASa</b>	Administrator Password	<b>156</b>		Always

<b>ULoC Fcty</b>	Security Setting Menu - Factory Page			<i>If Password Enable is set on.</i>
<b>Code</b>	Public Key		Read Only	Always
<b>PASS</b>	Password		changes	Always

<b>d.1A9 Fcty</b>	Diagnostics Menu - Factory Page			Always
<b>Pn</b>	Part Number		Read Only	Always
<b>rEu</b>	Software Revision		Read Only	Always
<b>SbLd</b>	Software Build		Read Only	Always
<b>Sn</b>	Serial Number		Read Only	Always

## EZ-ZONE PM Limit - Factory Page

Rev. E

<span style="border: 1px solid green; padding: 2px;">DATE</span>	Date of Manufacture	Read Only	Always
<span style="border: 1px solid green; padding: 2px;">IPAC</span>	IP Address Mode	Read Only	If 8th digit of part number is 3.
<span style="border: 1px solid green; padding: 2px;">.PA1</span>	IP Actual Address Part 1	Read Only	If 8th digit of part number is 3.
<span style="border: 1px solid green; padding: 2px;">.PA2</span>	IP Actual Address Part 2	Read Only	If 8th digit of part number is 3.
<span style="border: 1px solid green; padding: 2px;">.PA3</span>	IP Actual Address Part 3	Read Only	If 8th digit of part number is 3.
<span style="border: 1px solid green; padding: 2px;">.PA4</span>	IP Actual Address Part 4	Read Only	If 8th digit of part number is 3.

<span style="border: 1px solid red; padding: 2px;">CAL</span> <span style="border: 1px solid green; padding: 2px;">FctY</span>	Calibration Menu - Factory Page		If Password Enable is set off AND read lock is set greater than 3.
<span style="border: 1px solid red; padding: 2px;">1</span> <span style="border: 1px solid green; padding: 2px;">CAL</span>	Instance 1 - Calibration		Always
<span style="border: 1px solid green; padding: 2px;">PMU</span>	Electrical Measurement	Read Only	Always
<span style="border: 1px solid green; padding: 2px;">EL.10</span>	Electrical Input Offset	<span style="border: 1px solid red; padding: 2px;">0.000</span>	Always
<span style="border: 1px solid green; padding: 2px;">EL.15</span>	Electrical Input Slope	<span style="border: 1px solid red; padding: 2px;">1.000</span>	Always
<span style="border: 1px solid green; padding: 2px;">Pn</span>	Part Number	<span style="border: 1px solid red; padding: 2px;">FctY</span>	Always if revision 13 or newer.
<span style="border: 1px solid green; padding: 2px;">Code</span>	Public Key	<span style="border: 1px solid red; padding: 2px;">4999</span>	Always if revision 13 or newer.
<span style="border: 1px solid red; padding: 2px;">3</span> <span style="border: 1px solid green; padding: 2px;">CAL</span>	Instance 3 - Calibration		If 10th digit of part number is F.
<span style="border: 1px solid green; padding: 2px;">ELo.0</span>	Electrical Output Offset	<span style="border: 1px solid red; padding: 2px;">0.000</span>	Always
<span style="border: 1px solid green; padding: 2px;">ELo.5</span>	Electrical Output Slope	<span style="border: 1px solid red; padding: 2px;">1.000</span>	Always

# EZ-ZONE PM Limit - Modbus Assembly

Rev. E

Assembly Row (element)	Parameter ID (contains pointer)	Standard Bus Instance	Modbus Assembly Instance	Modbus Register Address	Default Modbus Register Pointer - Map 1	Default Modbus Register Pointer - Map 2	Default Attribute Name	User - Modbus Register Pointer	User - Pointer Description
1	19001	1	1	40	1880	2360	Loop 1 - User Control Mode		
2	19002	1	2	42	2160	2640	Loop 1 - Set Point		
3	19003	1	3	44	2162	2642	Loop 1 - Manual Power		
4	19004	1	4	46	1480	1880	Alarm 1 - High Set Point		
5	19005	1	5	48	1482	1882	Alarm 1 - Low Set Point		
6	19006	1	6	50	1530	1940	Alarm 2 - High Set Point		
7	19007	1	7	52	1532	1942	Alarm 2 - Low Set Point		
8	19008	1	8	54	1580	2000	Alarm 3 - High Set Point		
9	19009	1	9	56	1582	2002	Alarm 3 - Low Set Point		
10	19010	1	10	58	1630	2120	Alarm 4 - High Set Point		
11	19011	1	11	60	1632	2062	Alarm 4 - Low Set Point		
12	19012	1	12	62	2540	4360	Profile Action Request		
13	19013	1	13	64	2520	4340	Profile Start		
14	19014	1	14	66	1890	2370	Loop 1 - Heat Proportional Band		
15	19015	1	15	68	1892	2372	Loop 1 - Cool Proportional Band		
16	19016	1	16	70	1894	2374	Loop 1 - Time Integral		
17	19017	1	17	72	1896	2376	Loop 1 - Time Derivative		
18	19018	1	18	74	1900	2380	Loop 1 - On/Off Heat Hysteresis		
19	19019	1	19	76	1902	2382	Loop 1 - On/Off Cool Hysteresis		
20	19020	1	20	78	1898	2378	Loop 1 - Dead Band		

# EZ-ZONE PM Limit - Modbus Assembly

Rev. E

Assembly Row (element)	Parameter ID (contains pointer)	Standard Bus Instance	Modbus Assembly Instance	Modbus Register Address	Default Modbus Register Pointer - Map 1	Default Modbus Register Pointer - Map 2	Default Attribute Name	User - Modbus Register Pointer	User - Pointer Description
1	19001	2	21	80	360	360	Analog Input 1, Analog Input Value		
2	19002	2	22	82	362	362	Analog Input 1, Input Error		
3	19003	2	23	84	440	450	Analog Input 2, Analog Input Value		
4	19004	2	24	86	442	452	Analog Input 2, Input Error		
5	19005	2	25	88	1496	1896	Alarm 1, Alarm State		
6	19006	2	26	90	1546	1956	Alarm 2, Alarm State		
7	19007	2	27	82	1596	2016	Alarm 3, Alarm State		
8	19008	2	28	84	1646	2076	Alarm 4, Alarm State		
9	19009	2	29	86	1328	1568	Event Status 1		
10	19010	2	30	98	1348	1588	Event Status 2		
11	19011	2	31	100	1882	2362	Loop 1 - Control Mode Active		
12	19012	2	32	102	1904	2384	Loop 1 - Heat Power		
13	19013	2	33	104	1906	2386	Loop 1 - Cool Power		
14	19014	2	34	106	690	730	Limit State		
15	19015	2	35	108	2520	4340	Profile Start		
16	19016	2	36	110	2540	4360	Profile Action Request		
17	19017	2	37	112	2524	4344	Current Profile		
18	19018	2	38	114	2526	4346	Current Step		
19	19019	2	39	116	2528	4348	Produced Set Point 1		
20	19020	2	40	118	2536	4356	Step Time Remaining		

EZ-ZONE® PM models equipped with the Modbus protocol (PM\_ \_ \_ \_ - [1, 2, or 3] \_ \_ \_ \_ \_) features a block of addresses that can be configured by the user to provide direct access to a list of 40 user configured parameters. This allows the user easy access to this customized list by reading from or writing to a contiguous block of registers. The controller can be set for Modbus Map 1 or Modbus Map 2.

## EZ-ZONE PM Limit - EtherNet/IP

Rev. E

Originator [PLC] to Target [EZ-ZONE] - Instance 1							
Pointers of Data							
Assembly Row (element)	Parameter ID (contains table pointer)	CIP - Explicit write Class, Inst, Attribute (table pointer)	CIP - Write Class, Inst, Attribute (data pointer)	Default Parameter Name and Function (description)	User CIP - Write Class, Inst, Attribute (data pointer)	User Parameter Name and Function (description)	Data Type (pointer)
1	19001	0x77, 1, 0x01	0x97, 1, 0x01	Control Loop 1, User Control Mode			DINT
2	19002	0x77, 1, 0x02	0x6B, 1, 0x01	Control Loop 1, Set Point			DINT
3	19003	0x77, 1, 0x03	0x6B, 1, 0x02	Control Loop 1, Manual Power			DINT
4	19004	0x77, 1, 0x04	0x6D, 1, 0x01	Alarm 1, High Set Point			DINT
5	19005	0x77, 1, 0x05	0x6D, 1, 0x02	Alarm 1, Low Set Point			DINT
6	19006	0x77, 1, 0x06	0x6D, 2, 0x01	Alarm 2, High Set Point			DINT
7	19007	0x77, 1, 0x07	0x6D, 2, 0x02	Alarm 2, Low Set Point			DINT
8	19008	0x77, 1, 0x08	0x6D, 3, 0x01	Alarm 3, High Set Point			DINT
9	19009	0x77, 1, 0x09	0x6D, 3, 0x02	Alarm 3, Low Set Point			DINT
10	19010	0x77, 1, 0x10	0x6D, 4, 0x01	Alarm 4, High Set Point			DINT
11	19011	0x77, 1, 0x11	0x6D, 4, 0x02	Alarm 4, Low Set Point			DINT
12	19012	0x77, 1, 0x12	0x7A, 1, 0x0B	Profile Action Request			DINT
13	19013	0x77, 1, 0x13	0x7A, 1, 0x01	Profile Start			DINT
14	19014	0x77, 1, 0x14	0x97, 1, 0x06	Control Loop 1, Heat Proportional Band			DINT
15	19015	0x77, 1, 0x15	0x97, 1, 0x07	Control Loop 1, Cool Proportional Band			DINT
16	19016	0x77, 1, 0x16	0x97, 1, 0x08	Control Loop 1, Time Integral			DINT
17	19017	0x77, 1, 0x17	0x97, 1, 0x09	Control Loop 1, Time Derivative			DINT
18	19018	0x77, 1, 0x18	0x97, 1, 0x0B	Control Loop 1, On/Off Heat Hysteresis			DINT
19	19019	0x77, 1, 0x19	0x97, 1, 0x0C	Control Loop 1, On/Off Cool Hysteresis			DINT
20	19020	0x77, 1, 0x20	0x97, 1, 0x0A	Control Loop 1, Dead Band			DINT



## EZ-ZONE PM Limit - EtherNet/IP

Rev. E

Target [EZ-ZONE] to Originator [PLC] - Instance 2							
Pointers of Data							
Assembly Row (element)	Parameter ID (contains table pointer)	CIP - Explicit write Class, Inst, Attribute (table pointer)	CIP - Write Class, Inst, Attribute (data pointer)	DefaultParameter Name and Function (description)	User CIP - Write Class, Inst, Attribute (data pointer)	User Parameter Name and Function (description)	Data Type (pointer)
0	none	none	none	Device Status	none	Device Status	DINT
1	19001	0x77, 2, 0x01	0x68, 1, 0x01	Analog Input 1, Analog Input Value			DINT
2	19002	0x77, 2, 0x02	0x68, 1, 0x02	Analog Input 1, Input Error			DINT
3	19003	0x77, 2, 0x03	0x68, 2, 0x01	Analog Input 2, Analog Input Value			DINT
4	19004	0x77, 2, 0x04	0x68, 2, 0x02	Analog Input 2, Input Error			DINT
5	19005	0x77, 2, 0x05	0x6D, 1, 0x09	Alarm 1, State			DINT
6	19006	0x77, 2, 0x06	0x6D, 2, 0x09	Alarm 2, State			DINT
7	19007	0x77, 2, 0x07	0x6D, 3, 0x09	Alarm 3, State			DINT
8	19008	0x77, 2, 0x08	0x6D, 4, 0x09	Alarm 4, State			DINT
9	19009	0x77, 2, 0x09	0x6E, 1, 0x05	Digital Input 1, Event Status			DINT
10	19010	0x77, 2, 0x10	0x6E, 2, 0x05	Digital Input 2, Event Status			DINT
11	19011	0x77, 2, 0x11	0x97, 1, 0x02	Control Mode Active			DINT
12	19012	0x77, 2, 0x12	0x97, 1, 0x0D	Control Loop 1, Heat Power			DINT
13	19013	0x77, 2, 0x13	0x97, 1, 0x0E	Control Loop 1, Cool Power			DINT
14	19014	0x77, 2, 0x14	0x70, 1, 0x06	Limit State			DINT
15	19015	0x77, 2, 0x15	0x7A, 1, 0x01	Profile Start			DINT
16	19016	0x77, 2, 0x16	0x7A, 1, 0x0B	Profile Action Request			DINT
17	19017	0x77, 2, 0x17	0x7A, 1, 0x03	Current Profile			DINT
18	19018	0x77, 2, 0x18	0x7A, 1, 0x04	Current Step			DINT
19	19019	0x77, 2, 0x19	0x7A, 1, 0x05	Profile Active Set Point			DINT
20	19020	0x77, 2, 0x20	0x7A, 1, 0x09	Step Time Remaining			DINT

## EZ-ZONE PM Limit - EtherNet/IP

Rev. E

Value Referenced by Pointer		
Parameter ID (contains value)	Controller to Receive from PLC	Data Type (data value)
20001		DINT
20002		REAL
20003		REAL
20004		REAL
20005		REAL
20006		REAL
20007		REAL
20008		REAL
20009		REAL
20010		REAL
20011		REAL
20012		DINT
20013		DINT
20014		REAL
20015		REAL
20016		REAL
20017		REAL
20018		REAL
20019		REAL
20020		REAL

Value Referenced by Pointer		
Parameter ID (contains value)	Controller to Send to PLC	Data Type (data value)
none	Read Only	BIN
20001	Read Only	REAL
20002	Read Only	REAL
20003	Read Only	REAL
20004	Read Only	REAL
20005	Read Only	DINT
20006	Read Only	DINT
20007	Read Only	DINT
20008	Read Only	DINT
20009	Read Only	DINT
20010	Read Only	DINT
20011	Read Only	DINT
20012	Read Only	REAL
20013	Read Only	REAL
20014	Read Only	DINT
20015	Read Only	DINT
20016	Read Only	DINT
20017	Read Only	DINT
20018	Read Only	DINT
20019	Read Only	REAL
20020	Read Only	DINT