



Company Name:
Controller Firmware Revision: 13.00
Controller Model Number:
Application:

EZ-ZONE® PM Integrated PID Controller

Enter your company name, controller model number and application usage above. Then use this spreadsheet to document application settings for the EZ-ZONE PM Integrated models. Validate that your model has the format shown below. This is a master template so all possible parameters are listed. Your model will not include all

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 day to day activity such as control mode, monitor power and set points,

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

Parameter	Parameter Name	Default	User Value	Appears if:
<input type="checkbox"/> A <input type="checkbox"/> oPEr	Analog Input Menu - Operations Page			Always
<input type="checkbox"/> 1 <input type="checkbox"/> A	Instance 1 - Analog Input			Submenu instance only appear if more than one instance.
<input type="checkbox"/> A_{in}	Active Process Value	Read Only		Always
<input type="checkbox"/> Er	Input Error	Read Only		Always
<input type="checkbox"/> CR	Calibration Offset	0.0		Always
<input type="checkbox"/> 2 <input type="checkbox"/> A	Instance 2 - Analog Input			If 9th digit of model number is C, J, R, P, M or L.
<input type="checkbox"/> A_{in}	Active Process Value	Read Only		Always
<input type="checkbox"/> Er	Input Error	Read Only		Always
<input type="checkbox"/> CR	Calibration Offset	0.0		Always
<input type="checkbox"/> Lnr <input type="checkbox"/> oPEr	Linearization Menu - Operations Page			If 4th digit of model number is C, R, J, B, E, N or S.
<input type="checkbox"/> 1 <input type="checkbox"/> Lnr	Instance 1 - Linearization			Submenu instance only appear if more than one instance.
<input type="checkbox"/> SuA	Source Value A	Read Only		Always
<input type="checkbox"/> oFSt	Offset	0.0		Always
<input type="checkbox"/> ou	Output Value	Read Only		Always
<input type="checkbox"/> 2 <input type="checkbox"/> Lnr	Instance 2 - Linearization			If analog input 2 is present.
<input type="checkbox"/> SuA	Source Value A	Read Only		If 9th digit of model number is C, J, R or P.
<input type="checkbox"/> oFSt	Offset	0.0		If 9th digit of model number is C, J, R or P.
<input type="checkbox"/> ou	Output Value	Read Only		If 9th digit of model number is C, J, R or P.
<input type="checkbox"/> Pu <input type="checkbox"/> oPEr	Process Value Menu - Operations Page			If 4th digit of model number is C, R, J, B, E, N or S.
<input type="checkbox"/> 1 <input type="checkbox"/> Pu	Instance 1 - Process Value			Submenu instance only appear if more than one instance.
<input type="checkbox"/> SuA	Source Value A	Read Only		Always
<input type="checkbox"/> SuB	Source Value B	Read Only		Always
<input type="checkbox"/> oFSt	Offset	0.0		Always
<input type="checkbox"/> ou	Output Value	Read Only		Always
<input type="checkbox"/> 2 <input type="checkbox"/> Pu	Instance 2 - Process Value			If 9th digit of model number is C, J, R or P.
<input type="checkbox"/> SuA	Source Value A	Read Only		Always
<input type="checkbox"/> SuB	Source Value B	Read Only		Always

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<input type="text" value="0F5E"/>	Offset	<input type="text" value="0.0"/>
<input type="text" value="0.0"/>	Output Value	Read Only

Always
Always

<input type="text" value="d 10"/> <input type="text" value="OPER"/>	Digital Input/Output Menu - Operations Page	
<input type="text" value="5"/> <input type="text" value="d 10"/>	Instance 5 - Digital I/O	
<input type="text" value="d 0.5"/>	Output State	Read Only
<input type="text" value="E 1.5"/>	Event Status	Read Only
<input type="text" value="6"/> <input type="text" value="d 10"/>	Instance 6 - Digital I/O	
<input type="text" value="d 0.5"/>	Output State	Read Only
<input type="text" value="E 1.5"/>	Event Status	Read Only
<input type="text" value="7"/> <input type="text" value="d 10"/>	Instance 7 - Digital I/O	
<input type="text" value="d 0.5"/>	Output State	Read Only
<input type="text" value="d 1.5"/>	Input State	Read Only
<input type="text" value="8"/> <input type="text" value="d 10"/>	Instance 8 - Digital I/O	
<input type="text" value="d 0.5"/>	Output State	Read Only
<input type="text" value="d 1.5"/>	Input State	Read Only
<input type="text" value="9"/> <input type="text" value="d 10"/>	Instance 9 - Digital I/O	
<input type="text" value="d 0.5"/>	Output State	Read Only
<input type="text" value="d 1.5"/>	Input State	Read Only
<input type="text" value="10"/> <input type="text" value="d 10"/>	Instance 10 - Digital I/O	
<input type="text" value="d 0.5"/>	Output State	Read Only
<input type="text" value="d 1.5"/>	Input State	Read Only
<input type="text" value="11"/> <input type="text" value="d 10"/>	Instance 11 - Digital I/O	
<input type="text" value="d 0.5"/>	Output State	Read Only
<input type="text" value="d 1.5"/>	Input State	Read Only
<input type="text" value="12"/> <input type="text" value="d 10"/>	Instance 12 - Digital I/O	
<input type="text" value="d 0.5"/>	Output State	Read Only
<input type="text" value="d 1.5"/>	Input State	Read Only

If 5th digit of model number is 2 or 4 OR if 8th digit is C or D.
If 5th digit of model number is 2 or 4.
If direction is set as output.
If direction is set as input.
If 5th digit of model number is 2 or 4.
If direction is set as output.
If direction is set as input.
If 8th digit of model number is C or D.
If direction is set as output.
If direction is set as input.
If 8th digit of model number is C or D.
If direction is set as output.
If direction is set as input.
If 8th digit of model number is C or D.
If direction is set as output.
If direction is set as input.
If 8th digit of model number is C or D.
If direction is set as output.
If direction is set as input.
If 8th digit of model number is C or D.
If direction is set as output.
If direction is set as input.

<input type="text" value="L 100"/> <input type="text" value="OPER"/>	Limit Menu - Operations Page	
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If 4th digit of model number is L, M or D or 9th digit is L or M.

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<input type="text" value="LLS"/>	Limit Low Set Point	0.0 F or -18.0 C	
<input type="text" value="LHS"/>	Limit High Set Point	0.0 F or -18.0 C	
<input type="text" value="LLR"/>	Limit Clear Request	<input type="text" value="LLR"/>	
<input type="text" value="LSE"/>	Limit State	Read Only	

If limit sides is low or both.
If limit sides is high or both.
If limit is tripped.
Always

<input type="text" value="Monitor"/> <input type="text" value="OPER"/>	Monitor Menu - Operations Page		
<input type="text" value="1"/> <input type="text" value="Monitor"/>	Instance 1 - Monitor		
<input type="text" value="CMA"/>	Control Mode Active	Read Only	
<input type="text" value="HP"/>	Heat Power	Read Only	
<input type="text" value="CP"/>	Cool Power	Read Only	
<input type="text" value="CLSP"/>	Closed Loop Working SP	Read Only	
<input type="text" value="PVA"/>	Process Value Active	Read Only	
<input type="text" value="2"/> <input type="text" value="Monitor"/>	Instance 2 - Monitor		
<input type="text" value="CMA"/>	Control Mode Active	Read Only	
<input type="text" value="HP"/>	Heat Power	Read Only	
<input type="text" value="CP"/>	Cool Power	Read Only	
<input type="text" value="CLSP"/>	Closed Loop Working SP	Read Only	
<input type="text" value="PVA"/>	Process Value Active	Read Only	

If 4th digit of model number is C, R, J, B, E, N or S.
Submenu instance only appear if more than one instance.
Always
Always
Always
Always
Always
If 9th digit of model number is C or J.
Always
Always
Always
Always
Always

<input type="text" value="Loop"/> <input type="text" value="OPER"/>	Control Loop Menu - Operations Page		
<input type="text" value="1"/> <input type="text" value="Loop"/>	Instance 1 - Control Loop		
<input type="text" value="REN"/>	Remote Set Point Enable	<input type="text" value="no"/>	
<input type="text" value="CM"/>	Control Mode	<input type="text" value="AUTO"/>	
<input type="text" value="AUTSP"/>	Autotune Set Point	<input type="text" value="90.0"/>	
<input type="text" value="AUT"/>	Autotune Request	<input type="text" value="no"/>	
<input type="text" value="CLSP"/>	Closed Loop Set Point	75.0 F or 24.0 C	
<input type="text" value="IDS"/>	Idle Set Point	75.0 F or 24.0 C	
<input type="text" value="HPB"/>	Heat Proportional Band	25.0 F or 14.0 C	
<input type="text" value="HHY"/>	Heat Hysteresis	3.0 F or 2.0 C	
<input type="text" value="CPB"/>	Cool Proportional Band	25.0 F or 14.0 C	

If 4th digit of model number is C, R, J, B, E, N or S.
Submenu instance only appears if more than one instance.
If 9th digit of model number is R or P
Always
Always
Always
Always
Always
Always
Always
Always

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<input type="checkbox"/> ChY	Cool Hysteresis	3.0 F or 2.0 C	
<input type="checkbox"/> t_i	Time Integral	<input type="text" value="180.0"/>	
<input type="checkbox"/> t_d	Time Derivative	<input type="text" value="0.0"/>	
<input type="checkbox"/> db	Dead Band	<input type="text" value="0.0"/>	
<input type="checkbox"/> o.SP	Open Loop Set Point	<input type="text" value="0.0"/>	
<input type="checkbox"/> 2 LOOP	Instance 2 - Control Loop		
<input type="checkbox"/> CPM	Control Mode	<input type="text" value="Auto"/>	
<input type="checkbox"/> AutSP	Autotune Set Point	<input type="text" value="90.0"/>	
<input type="checkbox"/> AutE	Autotune Request	<input type="text" value="no"/>	
<input type="checkbox"/> CLSP	Closed Loop Set Point	75.0 F or 24.0 C	
<input type="checkbox"/> IdS	Idle Set Point	75.0 F or 24.0 C	
<input type="checkbox"/> h.Pb	Heat Proportional Band	25.0 F or 14.0 C	
<input type="checkbox"/> h.hY	Heat Hysteresis	3.0 F or 2.0 C	
<input type="checkbox"/> CPb	Cool Proportional Band	25.0 F or 14.0 C	
<input type="checkbox"/> ChY	Cool Hysteresis	3.0 F or 2.0 C	
<input type="checkbox"/> t_i	Time Integral	<input type="text" value="180.0"/>	
<input type="checkbox"/> t_d	Time Derivative	<input type="text" value="0.0"/>	
<input type="checkbox"/> db	Dead Band	<input type="text" value="0.0"/>	
<input type="checkbox"/> o.SP	Open Loop Set Point	<input type="text" value="0.0"/>	

Always
Always
Always
Always
Always
If 9th digit of model number is C, J.
Always
Always
Always
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Always
Always
Always

<div>ALPM</div> <div>OPER</div>		Alarm Menu - Operations Page		
<div><div></div>1</div> <div>ALPM</div>		Instance 1 - Alarm		
<div><div></div>ALo</div>	Alarm Low Set Point	32.0 F or 0.0 C		
<div><div></div>ALh</div>	Alarm High Set Point	300.0 F or 150.0 C		
<div><div></div>ALCLr</div>	Alarm Clear Request		<div><div></div>CLR</div>	
<div><div></div>ALSir</div>	Alarm Silence Request		<div><div></div>SIL</div>	
<div><div></div>ALSt</div>	Alarm State	Read Only		
<div><div></div>2</div> <div>ALPM</div>		Instance 2 - Alarm		
<div><div></div>ALo</div>	Alarm Low Set Point	32.0 F or 0.0 C		
<div><div></div>ALh</div>	Alarm High Set Point	300.0 F or 150.0 C		

Always
Always
Always
Always
If alarm is active and alarm latching is set to latch.
If alarm is active and alarm silencing is on.
Always
Always
Always

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<div>ALC</div>	Alarm Clear Request	<div>CLR</div>	
<div>ASir</div>	Alarm Silence Request	<div>SIL</div>	
<div>ASE</div>	Alarm State	Read Only	
<div>3 ALP</div>	Instance 3 - Alarm		
<div>ALO</div>	Alarm Low Set Point	32.0 F or 0.0 C	
<div>Ahi</div>	Alarm High Set Point	300.0 F or 150.0 C	
<div>ALC</div>	Alarm Clear Request	<div>CLR</div>	
<div>ASir</div>	Alarm Silence Request	<div>SIL</div>	
<div>ASE</div>	Alarm State	Read Only	
<div>4 ALP</div>	Instance 4 - Alarm		
<div>ALO</div>	Alarm Low Set Point	32.0 F or 0.0 C	
<div>Ahi</div>	Alarm High Set Point	300.0 F or 150.0 C	
<div>ALC</div>	Alarm Clear Request	<div>CLR</div>	
<div>ASir</div>	Alarm Silence Request	<div>SIL</div>	
<div>ASE</div>	Alarm State	Read Only	

If alarm is active and alarm latching is set to latch.

If alarm is active and alarm silencing is on.

Always

Always

Always

Always

If alarm is active and alarm latching is set to latch.

If alarm is active and alarm silencing is on.

Always

Always

Always

Always

If alarm is active and alarm latching is set to latch.

If alarm is active and alarm silencing is on.

Always

CURR OPER	Current Menu - Operations Page		
CHI	Current High Set Point	SD	
CLI	Current Low Set Point	0	
ALC	Current Read	Read Only	
ASR	Current Error	Read Only	
AST	Heater Error	Read Only	

If 9th digit of model number is a T.

Always

Always

Always

Always

Always

PAGE OPER	Math Menu - Operations Page		
SuA	Source Value A	Read Only	
SuB	Source Value B	Read Only	
SuE	Source Value E	Read Only	
oFSE	Offset	0	
ou	Output Value	Read Only	

If 9th digit of PN is a C or J AND 12th digit of PN is a C.

Always

Always

Always

Always

Always

SoF OPER	Special Output Function Menu - Operations Page		
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If 12th digit of model number is C.

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SuP	Source Value 1	Read Only
SuB	Source Value 2	Read Only
oV1	Output Value 1	Read Only
oV2	Output Value 2	Read Only

Always
Always
Always
Always

PStr	oPEr	Profile Status Menu - Operations Page
PStr	Profile Start	Read/Write
PACr	Profile Action Request	Read/Write
StP	Active Step	Read Only
StYP	Active Step Type	Read Only
t.951	Target Set Point Loop 1	Read/Write
t.952	Target Set Point Loop 2	Read/Write
ACSP	Produced Set Point 1	Read Only
PSP2	Produced Set Point 2	Read Only
hOUr	Hours	Read/Write
Min	Minutes	Read/Write
SEC	Seconds	Read/Write
Ent1	Event Output 1	Read/Write
Ent2	Event Output 2	Read/Write
JC	Jump Count Remaining	Read Only

If 4th digit of model number is R, B, E or N.
Always
Always
Profile is active.
Profile is active.
Profile is active.
If 9th digit of model number C or J and profile is active.
Profile is active.
If 9th digit of model number C or J and profile is active.
Profile is active.
Profile is active.
Profile is active.
Always
Always
Always

Parameter	Parameter Name	Default	User Value	Appears if:
<input type="checkbox"/> A, <input type="checkbox"/> SEE	Analog Input Menu - Setup Page			Always
<input type="checkbox"/> I, <input type="checkbox"/> A, <input type="checkbox"/> R	Instance 1 - Analog Input			Submenu instance only appears if more than one instance.
<input type="checkbox"/> SEN	Sensor Type	<input type="checkbox"/> TC		If 4th digit of model number is C, R or B.
<input type="checkbox"/> LIN	TC Linearization	<input type="checkbox"/> J		If 4th digit of model number is C, R or B.
<input type="checkbox"/> REL	RTD Leads	<input type="checkbox"/> 2		If 4th digit of model number is C, R or B AND sensor type is RTD.
<input type="checkbox"/> UNITS	Units	<input type="checkbox"/> PRO		Always
<input type="checkbox"/> SLO	Scale Low	<input type="checkbox"/> 0.0		If 4th digit of model number is C, R or B AND sensor type is process.
<input type="checkbox"/> SHI	Scale High	<input type="checkbox"/> 20.0		If 4th digit of model number is C, R or B AND sensor type is process.
<input type="checkbox"/> RLO	Range Low	<input type="checkbox"/> 0.0		If 4th digit of model number is C, R or B AND sensor type is process.
<input type="checkbox"/> RHI	Range High	<input type="checkbox"/> 9999		If 4th digit of model number is C, R or B AND sensor type is process.
<input type="checkbox"/> PEE	Process Error Enable	<input type="checkbox"/> OFF		If 4th digit of model number is C, R or B AND sensor type is process.
<input type="checkbox"/> PEL	Process Error Low	<input type="checkbox"/> 0.0		If 4th digit of model number is C, R or B AND sensor type is process.
<input type="checkbox"/> EC	Thermistor Curve	<input type="checkbox"/> R		If 4th digit of model number is J, N or E.
<input type="checkbox"/> RR	Resistance Range	<input type="checkbox"/> 40		If 4th digit of model number is J, N or E.
<input type="checkbox"/> FIL	Filter	<input type="checkbox"/> 0.5		Always
<input type="checkbox"/> IER	Input Error Latching	<input type="checkbox"/> OFF		Always
<input type="checkbox"/> DEC	Display Precision	<input type="checkbox"/> 0		Always
<input type="checkbox"/> SBR	Sensor Backup Enable	<input type="checkbox"/> OFF		If 3rd digit of model number is 3 or 6 AND 9th digit is R, P, L, or M
<input type="checkbox"/> CR	Calibration Offset	<input type="checkbox"/> 0.0		Always
<input type="checkbox"/> PIN	Active Process Value	Read Only		Always
<input type="checkbox"/> IER	Input Error	Read Only		Always
<input type="checkbox"/> 2, <input type="checkbox"/> A, <input type="checkbox"/> R	Instance 2 - Analog Input			If 9th digit of model number is C, J, R, P, M or L
<input type="checkbox"/> SEN	Sensor Type	<input type="checkbox"/> TC		Always
<input type="checkbox"/> LIN	TC Linearization	<input type="checkbox"/> J		Always
<input type="checkbox"/> REL	RTD Leads	<input type="checkbox"/> 2		Always
<input type="checkbox"/> UNITS	Units	<input type="checkbox"/> PRO		Always
<input type="checkbox"/> SLO	Scale Low	<input type="checkbox"/> 0.0		Always
<input type="checkbox"/> SHI	Scale High	<input type="checkbox"/> 20.0		Always
<input type="checkbox"/> RLO	Range Low	<input type="checkbox"/> 0.0		Always
<input type="checkbox"/> RHI	Range High	<input type="checkbox"/> 9999		Always
<input type="checkbox"/> PEE	Process Error Enable	<input type="checkbox"/> OFF		Always
<input type="checkbox"/> PEL	Process Error Low	<input type="checkbox"/> 0.0		Always

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<input type="checkbox"/> <u>Units</u>	Units	<input type="checkbox"/> <u>5.00</u>
<input type="checkbox"/> <u>.P.1</u>	Input Point 1	<input type="checkbox"/> <u>0.0</u>
<input type="checkbox"/> <u>oP.1</u>	Output Point 1	<input type="checkbox"/> <u>0.0</u>
<input type="checkbox"/> <u>.P.2</u>	Input Point 2	<input type="checkbox"/> <u>1.0</u>
<input type="checkbox"/> <u>oP.2</u>	Output Point 2	<input type="checkbox"/> <u>1.0</u>
<input type="checkbox"/> <u>.P.3</u>	Input Point 3	<input type="checkbox"/> <u>2.0</u>
<input type="checkbox"/> <u>oP.3</u>	Output Point 3	<input type="checkbox"/> <u>2.0</u>
<input type="checkbox"/> <u>.P.4</u>	Input Point 4	<input type="checkbox"/> <u>3.0</u>
<input type="checkbox"/> <u>oP.4</u>	Output Point 4	<input type="checkbox"/> <u>3.0</u>
<input type="checkbox"/> <u>.P.5</u>	Input Point 5	<input type="checkbox"/> <u>4.0</u>
<input type="checkbox"/> <u>oP.5</u>	Output Point 5	<input type="checkbox"/> <u>4.0</u>
<input type="checkbox"/> <u>.P.6</u>	Input Point 6	<input type="checkbox"/> <u>5.0</u>
<input type="checkbox"/> <u>oP.6</u>	Output Point 6	<input type="checkbox"/> <u>5.0</u>
<input type="checkbox"/> <u>.P.7</u>	Input Point 7	<input type="checkbox"/> <u>6.0</u>
<input type="checkbox"/> <u>oP.7</u>	Output Point 7	<input type="checkbox"/> <u>6.0</u>
<input type="checkbox"/> <u>.P.8</u>	Input Point 8	<input type="checkbox"/> <u>7.0</u>
<input type="checkbox"/> <u>oP.8</u>	Output Point 8	<input type="checkbox"/> <u>7.0</u>
<input type="checkbox"/> <u>.P.9</u>	Input Point 9	<input type="checkbox"/> <u>8.0</u>
<input type="checkbox"/> <u>oP.9</u>	Output Point 9	<input type="checkbox"/> <u>8.0</u>
<input type="checkbox"/> <u>.P.10</u>	Input Point 10	<input type="checkbox"/> <u>9.0</u>
<input type="checkbox"/> <u>oP.10</u>	Output Point 10	<input type="checkbox"/> <u>9.0</u>

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<input type="checkbox"/> <u>Pu</u> <input type="checkbox"/> <u>SEE</u>	Setup Page - Process Value Menu	
<input type="checkbox"/> <u>1</u> <input type="checkbox"/> <u>Pu</u>	Instance 1 - Process Value	
<input type="checkbox"/> <u>Fn</u>	Function	<input type="checkbox"/> <u>oFF</u>
<input type="checkbox"/> <u>Pu</u> <u>Unit</u>	Pressure Units	<input type="checkbox"/> <u>PSI</u>
<input type="checkbox"/> <u>Alt</u> <u>Unit</u>	Altitude Units	<input type="checkbox"/> <u>HFE</u>
<input type="checkbox"/> <u>bPr</u>	Barometric Pressure	<input type="checkbox"/> <u>14.7</u>
<input type="checkbox"/> <u>F</u> <u>IL</u>	Filter	<input type="checkbox"/> <u>0.0</u>
<input type="checkbox"/> <u>2</u> <input type="checkbox"/> <u>Pu</u>	Instance 2 - Process Value	
<input type="checkbox"/> <u>Fn</u>	Function	<input type="checkbox"/> <u>oFF</u>
<input type="checkbox"/> <u>Pu</u> <u>Unit</u>	Pressure Units	<input type="checkbox"/> <u>PSI</u>
<input type="checkbox"/> <u>Alt</u> <u>Unit</u>	Altitude Units	<input type="checkbox"/> <u>HFE</u>
<input type="checkbox"/> <u>bPr</u>	Barometric Pressure	<input type="checkbox"/> <u>14.7</u>
<input type="checkbox"/> <u>F</u> <u>IL</u>	Filter	<input type="checkbox"/> <u>0.0</u>

If 4th digit of model number is C, R, J, B, E, N or S
Submenu instance only appears if more than one instance.
Always
If function is set pressure to altitude.
If function is set pressure to altitude.
If function is set to Wet Bulb/Dry Bulb
Always
If 9th digit of model number is C, J, R or P
Always
If function is set pressure to altitude.
If function is set pressure to altitude.
If function is set to Wet Bulb/Dry Bulb
Always

Digital Input/Output Menu - Setup Page	
Instance 5 - Digital I/O	
<input type="text" value="5"/> <input type="text" value="d.i.o"/>	
<input type="text" value="d.i.r"/> Digital I/O Direction	<input type="text" value="o.e.p.e"/>
<input type="text" value="F.n"/> Output Function	<input type="text" value="o.f.f"/>
<input type="text" value="F.i"/> Output Function Instance	<input type="text" value="1"/>
<input type="text" value="o.c.t.e"/> Output Control	<input type="text" value="F.e.b"/>
<input type="text" value="o.t.b"/> Output Time Base	<input type="text" value="1.0"/>
<input type="text" value="o.l.o"/> Output Low Power Scale	<input type="text" value="0"/>
<input type="text" value="o.h.i"/> Output High Power Scale	<input type="text" value="100"/>
<input type="text" value="L.E.u"/> Active Level	<input type="text" value="h.9h"/>
<input type="text" value="F.n"/> Action Function	<input type="text" value="n.o.n.e"/>
<input type="text" value="F.i"/> Function Instance	<input type="text" value="0"/>
Instance 6 - Digital I/O	
<input type="text" value="6"/> <input type="text" value="d.i.o"/>	
<input type="text" value="d.i.r"/> Digital I/O Direction	<input type="text" value="o.e.p.e"/>
<input type="text" value="F.n"/> Output Function	<input type="text" value="o.f.f"/>
<input type="text" value="F.i"/> Output Function Instance	<input type="text" value="1"/>
<input type="text" value="o.c.t.e"/> Output Control	<input type="text" value="F.e.b"/>
<input type="text" value="o.t.b"/> Output Time Base	<input type="text" value="1.0"/>
<input type="text" value="o.l.o"/> Output Low Power Scale	<input type="text" value="0"/>
<input type="text" value="o.h.i"/> Output High Power Scale	<input type="text" value="100"/>
<input type="text" value="L.E.u"/> Active Level	<input type="text" value="h.9h"/>
<input type="text" value="F.n"/> Action Function	<input type="text" value="n.o.n.e"/>
<input type="text" value="F.i"/> Function Instance	<input type="text" value="0"/>
Instance 7 - Digital I/O	
<input type="text" value="7"/> <input type="text" value="d.i.o"/>	
<input type="text" value="d.i.r"/> Digital I/O Direction	<input type="text" value="o.e.p.e"/>
<input type="text" value="F.n"/> Output Function	<input type="text" value="o.f.f"/>
<input type="text" value="F.i"/> Output Function Instance	<input type="text" value="1"/>
<input type="text" value="o.c.t.e"/> Output Control	<input type="text" value="F.e.b"/>
<input type="text" value="o.t.b"/> Output Time Base	<input type="text" value="1.0"/>
<input type="text" value="o.l.o"/> Output Low Power Scale	<input type="text" value="0"/>
<input type="text" value="o.h.i"/> Output High Power Scale	<input type="text" value="100"/>
<input type="text" value="L.E.u"/> Active Level	<input type="text" value="h.9h"/>
<input type="text" value="F.n"/> Action Function	<input type="text" value="n.o.n.e"/>
<input type="text" value="F.i"/> Function Instance	<input type="text" value="0"/>

If 5th digit of model number is 2 or 4 OR if 8th digit of model number is C or D

If 5th digit of model number is 2 or 4

Always

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If 5th digit of model number is 2 or 4

Always

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If 8th digit of model number is C or D

Always

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

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Setup Page

Rev. D

8 d.i.o.	Instance 8 - Digital I/O	
d.i.r.	Digital I/O Direction	o.t.p.t.
f.n.	Output Function	o.f.f.
f.i.	Output Function Instance	i.
o.c.t.	Output Control	f.t.b.
o.t.b.	Output Time Base	i.d.
o.l.o.	Output Low Power Scale	0.
o.h.i.	Output High Power Scale	100.
l.e.v.	Active Level	h.i.g.h.
f.n.	Action Function	nonE.
f.i.	Function Instance	0.
9 d.i.o.	Instance 9 - Digital I/O	
d.i.r.	Digital I/O Direction	o.t.p.t.
f.n.	Output Function	o.f.f.
f.i.	Output Function Instance	i.
o.c.t.	Output Control	f.t.b.
o.t.b.	Output Time Base	i.d.
o.l.o.	Output Low Power Scale	0.
o.h.i.	Output High Power Scale	100.
l.e.v.	Active Level	h.i.g.h.
f.n.	Action Function	nonE.
f.i.	Function Instance	0.
10 d.i.o.	Instance 10 - Digital I/O	
d.i.r.	Digital I/O Direction	o.t.p.t.
f.n.	Output Function	o.f.f.
f.i.	Output Function Instance	i.
o.c.t.	Output Control	f.t.b.
o.t.b.	Output Time Base	i.d.
o.l.o.	Output Low Power Scale	0.
o.h.i.	Output High Power Scale	100.
l.e.v.	Active Level	h.i.g.h.
f.n.	Action Function	nonE.
f.i.	Function Instance	0.
11 d.i.o.	Instance 11 - Digital I/O	
d.i.r.	Digital I/O Direction	o.t.p.t.

If 8th digit of model number is C or D

Always

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If 8th digit of model number is C or D

Always

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If 8th digit of model number is C or D

Always

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to output.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If Digital I/O Direction is set to input.

If 8th digit of model number is C or D

Always

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Setup Page

<input type="checkbox"/> Fn	Output Function	<input type="checkbox"/> OFF
<input type="checkbox"/> Fi	Output Function Instance	<input type="checkbox"/> 1
<input type="checkbox"/> OLE	Output Control	<input type="checkbox"/> FLE
<input type="checkbox"/> Otb	Output Time Base	<input type="checkbox"/> 10
<input type="checkbox"/> OLo	Output Low Power Scale	<input type="checkbox"/> 0
<input type="checkbox"/> Oh	Output High Power Scale	<input type="checkbox"/> 100
<input type="checkbox"/> LEU	Active Level	<input type="checkbox"/> h, 9h
<input type="checkbox"/> Fn	Action Function	<input type="checkbox"/> nonE
<input type="checkbox"/> Fi	Function Instance	<input type="checkbox"/> 0
<input type="checkbox"/> 12 <input type="checkbox"/> d, 10	Instance 12 - Digital I/O	
<input type="checkbox"/> dir	Digital I/O Direction	<input type="checkbox"/> OLEP
<input type="checkbox"/> Fn	Output Function	<input type="checkbox"/> OFF
<input type="checkbox"/> Fi	Output Function Instance	<input type="checkbox"/> 1
<input type="checkbox"/> OLE	Output Control	<input type="checkbox"/> FLE
<input type="checkbox"/> Otb	Output Time Base	<input type="checkbox"/> 10
<input type="checkbox"/> OLo	Output Low Power Scale	<input type="checkbox"/> 0
<input type="checkbox"/> Oh	Output High Power Scale	<input type="checkbox"/> 100
<input type="checkbox"/> LEU	Active Level	<input type="checkbox"/> h, 9h
<input type="checkbox"/> Fn	Action Function	<input type="checkbox"/> nonE
<input type="checkbox"/> Fi	Function Instance	<input type="checkbox"/> 0

<input type="checkbox"/> L, M <input type="checkbox"/> SEE	Limit Menu - Setup Page	
<input type="checkbox"/> L5d	Limit Sides	<input type="checkbox"/> both
<input type="checkbox"/> Lh9	Limit Hysteresis	3.0 F or 2.0 C
<input type="checkbox"/> SPLh	Set Point High Limit	<input type="checkbox"/> 9999
<input type="checkbox"/> SPLl	Set Point Low Limit	<input type="checkbox"/> - 1999
<input type="checkbox"/> Lh5	Limit High Set Point	0.0 F or -18.0 C
<input type="checkbox"/> Ll5	Limit Low Set Point	0.0 F or -18.0 C
<input type="checkbox"/> SFnA	Source Function A	<input type="checkbox"/> nonE
<input type="checkbox"/> SiA	Source Instance A	<input type="checkbox"/> 1
<input type="checkbox"/> LCr	Limit Clear Request	appears if active
<input type="checkbox"/> LSE	Limit Status	Read Only
<input type="checkbox"/> L, E	Integrate with System	<input type="checkbox"/> no

<input type="checkbox"/> Loop <input type="checkbox"/> SEE	Control Loop Menu - Setup Page	
--	--------------------------------	--

If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to input.
If Digital I/O Direction is set to input.
If Digital I/O Direction is set to input.
If 8th digit of model number is C or D
Always
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to output.
If Digital I/O Direction is set to input.
If Digital I/O Direction is set to input.
If Digital I/O Direction is set to input.
If 4th digit of model number is L, M or D or 9th digit is an L or M
If limit sides is low or both.
If limit sides is high or both.
If limit is tripped.
Always
Always
Always
Always
Always
Always
Always
If 4th digit of model number is a C, R, J, B, E, N or S AND 9th digit is an L or M

If 4th digit of part number is C, R, B, J, N, E, or S.
--

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Setup Page

Rev. D

Instance 1 - Control Loop	
<input type="checkbox"/> hR9	Heat Algorithm
<input type="checkbox"/> CR9	Cool Algorithm
<input type="checkbox"/> CLr	Cool Output Curve
<input type="checkbox"/> hPb	Heat Proportional Band
<input type="checkbox"/> hhY	Heat Hysteresis
<input type="checkbox"/> CPb	Cool Proportional Band
<input type="checkbox"/> ChY	Cool Hysteresis
<input type="checkbox"/> ti	Time Integral
<input type="checkbox"/> td	Time Derivative
<input type="checkbox"/> db	Dead Band
<input type="checkbox"/> ttUn	TRU-TUNE+ Enable
<input type="checkbox"/> ttnd	TRU-TUNE+ Band
<input type="checkbox"/> ttgn	TRU-TUNE+ Gain
<input type="checkbox"/> AtSP	Autotune Set Point
<input type="checkbox"/> Atgr	Autotune Aggressiveness
<input type="checkbox"/> PdL	Peltier Delay
<input type="checkbox"/> ren	Remote Set Point Enable
<input type="checkbox"/> retY	Remote Set Point Type
<input type="checkbox"/> UFR	User Failure Action
<input type="checkbox"/> FRIL	Input Error Failure
<input type="checkbox"/> P78n	Fixed Power
<input type="checkbox"/> LdE	Open Loop Detect Enable
<input type="checkbox"/> LdE	Open Loop Detect Time
<input type="checkbox"/> Ldd	Open Loop Detect Deviation
<input type="checkbox"/> rp	Ramp Action
<input type="checkbox"/> rSL	Ramp Scale
<input type="checkbox"/> rRE	Ramp Rate
<input type="checkbox"/> LSP	Low Set Point
<input type="checkbox"/> hSP	High Set Point
<input type="checkbox"/> CLSP	Closed Loop Set Point
<input type="checkbox"/> ids	Idle Set Point
<input type="checkbox"/> SPLo	Set Point Open Limit Low
<input type="checkbox"/> SPhi	Set Point Open Limit High
<input type="checkbox"/> oSP	Open Loop Set Point

Submenu instance only appears if more than one instance.

Always

Always

If cool algorithm is set to PID.

If heat algorithm is set to PID.

If heat algorithm is set to ON/OFF.

If cool algorithm is set to PID.

If cool algorithm is set to ON/OFF.

If heat or cool algorithm is set to PID.

If heat or cool algorithm is set to PID.

If heat or cool algorithm is set to PID.

Always

Always

Always

Always

Always

Always

If 9th digit of model number is R or P.

If 9th digit of model number is R or P.

Always

Always

Always

Always

Always

Always

Always

Always

Always

Always

Always

Always

Always

Always

Always

Always

Rev. D

[illegible]

Output Menu - Setup Page		Always	
1 oEPt		Instance 1 - Output	
Fn	Output Function (output digital)	hERE	
F.	Output Function Instance	1	
oLt	Output Control	Ftb	
oEb	Output Time Base	1 or 20	
oLo	Output Low Power Scale	0	
oH.	Output High Power Scale	100	
oEY	Output Type (output process)	oLE	
Fn	Output Function	hERE	
rSr	Retransmit Source	R.	
F.	Output Function Instance	1	
SLo	Scale Low	0	
Sh.	Scale High	10	
rLo	Range Low	0 F or -18 C	
rH.	Range High	9999 F or 5537 C	
oLR	Calibration Offset	0	
2 oEPt		Instance 2 - Output	
Fn	Output Function (output digital)	RLP	
F.	Output Function Instance	1	
oLt	Output Control	Ftb	
oEb	Output Time Base	1 or 20	
oLo	Output Low Power Scale	0	
oH.	Output High Power Scale	100	
3 oEPt		Instance 3 - Output	
Fn	Output Function (output digital)	hERE	
F.	Output Function Instance	1	
oLt	Output Control	Ftb	
oEb	Output Time Base	1 or 20	
oLo	Output Low Power Scale	0	
oH.	Output High Power Scale	100	
oEY	Output Type (output process)	oLE	
Fn	Output Function	hERE	
rSr	Retransmit Source	R.	
Always Submenu instance only appears if more than one instance. If 6th digit of part number is C, E, or K. If 6th digit of part number is C, E, or K. If 6th digit of part number is C, E, or K AND output function is heat or cool. If 6th digit of part number is C, E, or K AND output control is fixed time base. If 6th digit of part number is C, E, or K. If 6th digit of part number is C, E, or K. If 6th digit of part number is F. If 6th digit of part number is F. If 6th digit of part number is F AND output function is retransmit. If 6th digit of part number is F. If 6th digit of part number is F. If 6th digit of part number is F. If 6th digit of part number is F. If 6th digit of part number is F. If 6th digit of part number is F. If 7th digit of model number is C, H, J or K. Always (Limit is default if 4th digit of model number is L or D). If output function is not limit. If output function is heat or cool. If output control is fixed time base. Always Always If 10th digit of part number is C, E, F, or K. If 10th digit of part number is C, E, or K. If 10th digit of part number is C, E, or K. If 10th digit of part number is C, E or K AND output function is heat or cool. If 10th digit of part number is C, E or K AND output control is fixed time base. If 10th digit of part number is C, E, or K. If 10th digit of part number is C, E, or K. If 10th digit of part number is F. If 10th digit of part number is F. If 10th digit of part number is F AND output function is retransmit.			

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Setup Page

Rev. D

<input type="text" value="F"/>	Output Function Instance	<input type="text" value="I"/>
<input type="text" value="SLo"/>	Scale Low	<input type="text" value="0"/>
<input type="text" value="Sh"/>	Scale High	<input type="text" value="10"/>
<input type="text" value="rLo"/>	Range Low	0 F or -18 C
<input type="text" value="rH"/>	Range High	9999 F or 5537 C
<input type="text" value="oLR"/>	Calibration Offset	<input type="text" value="0"/>
<input type="text" value="4 oLPt"/>	Instance 4 - Output	
<input type="text" value="Fn"/>	Output Function (output digital)	<input type="text" value="oFF"/>
<input type="text" value="F"/>	Output Function Instance	<input type="text" value="I"/>
<input type="text" value="oLT"/>	Output Control	<input type="text" value="FtB"/>
<input type="text" value="oTb"/>	Output Time Base	1 or 20
<input type="text" value="oLo"/>	Output Low Power Scale	<input type="text" value="0"/>
<input type="text" value="oH"/>	Output High Power Scale	<input type="text" value="100"/>

If 10th digit of part number is F.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 11th digit of model number is C, H, J or K.
Limit is default if 9th digit of model number is L or M.
If output function is not limit.
If output function is heat or cool.
If output control is fixed time base.
Always
Always

ALP7 SEE		Alarm Menu - Setup Page	
1 ALP7		Instance 1 - Alarm	
REY	Alarm Type	oFF	
SrR	Alarm Source	R	
SR	Alarm Source Instance	I	
LoOP	Alarm Control Loop	I	
RHY	Alarm Hysteresis	I	
RL9	Alarm Logic	ALL	
RSd	Alarm Sides	boTh	
RLo	Alarm Low Set Point	32.0 F or 0.0 C	
RH	Alarm High Set Point	300.0 F or 150.0 C	
RLR	Alarm Latching	nLRt	
RbL	Alarm Blocking	oFF	
RS	Alarm Silencing	oFF	
RdSP	Alarm Display	on	
RdL	Alarm Delay Time	0	
RCLR	Alarm Clear Request	CLR	
RSir	Alarm Silence Request	SIL	
RSE	Alarm State	Read Only	
2 ALP7		Instance 2 - Alarm	
REY	Alarm Type	oFF	

Always
Always
Always
If alarm type is process or deviation.
If alarm type is process or deviation.
If 9th digit of part number is C or J.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm type is process or deviation AND alarm sides is low or both.
If alarm type is process or deviation AND alarm sides is high or both.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm is active.
If alarm is active AND silencing is on.
Always
Always
Always

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Setup Page

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<input type="checkbox"/> ScrA	Alarm Source	<input type="checkbox"/> R
<input type="checkbox"/> .5A	Alarm Source Instance	<input type="checkbox"/> I
<input type="checkbox"/> Loop	Alarm Control Loop	<input type="checkbox"/> I
<input type="checkbox"/> RhY	Alarm Hysteresis	<input type="checkbox"/> I
<input type="checkbox"/> RL9	Alarm Logic	<input type="checkbox"/> RLC
<input type="checkbox"/> RSd	Alarm Sides	<input type="checkbox"/> both
<input type="checkbox"/> ALo	Alarm Low Set Point	32.0 F or 0.0 C
<input type="checkbox"/> Rh	Alarm High Set Point	300.0 F or 150.0 C
<input type="checkbox"/> RLR	Alarm Latching	<input type="checkbox"/> nLRt
<input type="checkbox"/> RbL	Alarm Blocking	<input type="checkbox"/> oFF
<input type="checkbox"/> RS	Alarm Silencing	<input type="checkbox"/> oFF
<input type="checkbox"/> RdSP	Alarm Display	<input type="checkbox"/> on
<input type="checkbox"/> RdL	Alarm Delay Time	<input type="checkbox"/> 0
<input type="checkbox"/> RLCr	Alarm Clear Request	<input type="checkbox"/> CLr
<input type="checkbox"/> RSir	Alarm Silence Request	<input type="checkbox"/> SIL
<input type="checkbox"/> RSE	Alarm State	Read Only
<input type="checkbox"/> 3 ALP7	Instance 3 - Alarm	
<input type="checkbox"/> REY	Alarm Type	<input type="checkbox"/> oFF
<input type="checkbox"/> ScrA	Alarm Source	<input type="checkbox"/> R
<input type="checkbox"/> .5A	Alarm Source Instance	<input type="checkbox"/> I
<input type="checkbox"/> Loop	Alarm Control Loop	<input type="checkbox"/> I
<input type="checkbox"/> RhY	Alarm Hysteresis	<input type="checkbox"/> I
<input type="checkbox"/> RL9	Alarm Logic	<input type="checkbox"/> RLC
<input type="checkbox"/> RSd	Alarm Sides	<input type="checkbox"/> both
<input type="checkbox"/> ALo	Alarm Low Set Point	32.0 F or 0.0 C
<input type="checkbox"/> Rh	Alarm High Set Point	300.0 F or 150.0 C
<input type="checkbox"/> RLR	Alarm Latching	<input type="checkbox"/> nLRt
<input type="checkbox"/> RbL	Alarm Blocking	<input type="checkbox"/> oFF
<input type="checkbox"/> RS	Alarm Silencing	<input type="checkbox"/> oFF
<input type="checkbox"/> RdSP	Alarm Display	<input type="checkbox"/> on
<input type="checkbox"/> RdL	Alarm Delay Time	<input type="checkbox"/> 0
<input type="checkbox"/> RLCr	Alarm Clear Request	<input type="checkbox"/> CLr
<input type="checkbox"/> RSir	Alarm Silence Request	<input type="checkbox"/> SIL
<input type="checkbox"/> RSE	Alarm State	Read Only
<input type="checkbox"/> 4 ALP7	Instance 4 - Alarm	

If alarm type is process or deviation.

If alarm type is process or deviation.

If 9th digit of part number is C or J.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation AND alarm sides is low or both.

If alarm type is process or deviation AND alarm sides is high or both.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm is active.

If alarm is active AND silencing is on.

Always

Always

Always

If alarm type is process or deviation.

If alarm type is process or deviation.

If 9th digit of part number is C or J.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation AND alarm sides is low or both.

If alarm type is process or deviation AND alarm sides is high or both.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm is active.

If alarm is active AND silencing is on.

Always

Always

EZ-ZONE PM

Setup Page

<input type="checkbox"/> ALY	Alarm Type	<input type="checkbox"/> OFF
<input type="checkbox"/> SrA	Alarm Source	<input type="checkbox"/> A
<input type="checkbox"/> .SR	Alarm Source Instance	<input type="checkbox"/> 1
<input type="checkbox"/> LoOP	Alarm Control Loop	<input type="checkbox"/> 1
<input type="checkbox"/> RhY	Alarm Hysteresis	<input type="checkbox"/> 1
<input type="checkbox"/> RL9	Alarm Logic	<input type="checkbox"/> RLC
<input type="checkbox"/> RSd	Alarm Sides	<input type="checkbox"/> both
<input type="checkbox"/> ALo	Alarm Low Set Point	32.0 F or 0.0 C
<input type="checkbox"/> Rh	Alarm High Set Point	300.0 F or 150.0 C
<input type="checkbox"/> ALA	Alarm Latching	Non-Latching
<input type="checkbox"/> RbL	Alarm Blocking	<input type="checkbox"/> OFF
<input type="checkbox"/> RS	Alarm Silencing	<input type="checkbox"/> OFF
<input type="checkbox"/> RdSP	Alarm Display	<input type="checkbox"/> on
<input type="checkbox"/> RdL	Alarm Delay Time	<input type="checkbox"/> 0
<input type="checkbox"/> ALCr	Alarm Clear Request	<input type="checkbox"/> CLr
<input type="checkbox"/> RSir	Alarm Silence Request	<input type="checkbox"/> SIL
<input type="checkbox"/> RSE	Alarm State	Read Only

Always
If alarm type is process or deviation.
If alarm type is process or deviation.
If 9th digit of part number is C or J.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm type is process or deviation AND alarm sides is low or both.
If alarm type is process or deviation AND alarm sides is high or both.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm type is process or deviation.
If alarm is active.
If alarm is active AND silencing is on.
Always

<input type="checkbox"/> Cur	<input type="checkbox"/> SEE	Current Menu - Setup Page	
<input type="checkbox"/> CSd	Current Sides	<input type="checkbox"/> OFF	
<input type="checkbox"/> CUr	Current Read Enable	<input type="checkbox"/> no	
<input type="checkbox"/> CdE	Input Current Detection Threshold	<input type="checkbox"/> 9	
<input type="checkbox"/> CSE	Current Scaling	<input type="checkbox"/> 50.0	
<input type="checkbox"/> CoFS	Heater Current Offset	<input type="checkbox"/> 0.0	
<input type="checkbox"/> CS	Current Output Source Instance	<input type="checkbox"/> 9	

If 9th digit of part number is T.
Always
Always
Always
Always
Always
Always

<input type="checkbox"/> Math	<input type="checkbox"/> SEE	Math Menu - Setup Page	
<input type="checkbox"/> Fn	Function	<input type="checkbox"/> OFF	
<input type="checkbox"/> SFnE	Source Function E	<input type="checkbox"/> none	
<input type="checkbox"/> SrE	Source Instance E	<input type="checkbox"/> 1	
<input type="checkbox"/> SLo	Scale Low	<input type="checkbox"/> 0.0	
<input type="checkbox"/> Sh	Scale High	<input type="checkbox"/> 1.0	
<input type="checkbox"/> rLo	Range Low	<input type="checkbox"/> 0.0	
<input type="checkbox"/> rhi	Range High	<input type="checkbox"/> 1.0	
<input type="checkbox"/> FIL	Filter	<input type="checkbox"/> 0.0	

If 9th digit of part number is C or J AND 12th digit C.
Always
Function is set to deviation scale or process scale.
Function is set to deviation scale or process scale.
Function is set to deviation scale or process scale.
Function is set to deviation scale or process scale.
Function is set to deviation scale or process scale.
Function is set to deviation scale or process scale.

<input type="checkbox"/> SOF <input type="checkbox"/> SEE	Special Output Function Menu - Setup Page		If 12th digit of part number is C.
<input type="checkbox"/> Fn	Function	<input type="checkbox"/> oFF	Always
<input type="checkbox"/> SFnA	Source Function A	<input type="checkbox"/> nonE	If function is set to motorized valve or compressor control.
<input type="checkbox"/> SjA	Source Instance A	<input type="checkbox"/> I	If function is set to motorized valve or compressor control.
<input type="checkbox"/> SFnB	Source Function B	<input type="checkbox"/> nonE	If function is set to motorized valve or compressor control.
<input type="checkbox"/> SjB	Source Instance B	<input type="checkbox"/> I	If function is set to motorized valve or compressor control.
<input type="checkbox"/> PonA	Power On Level 1	<input type="checkbox"/> 0	If function is set to compressor control.
<input type="checkbox"/> PofA	Power Off Level 1	<input type="checkbox"/> 5	If function is set to compressor control.
<input type="checkbox"/> PonB	Power On Level 2	<input type="checkbox"/> 0	If function is set to compressor control.
<input type="checkbox"/> PofB	Power Off Level 2	<input type="checkbox"/> 5	If function is set to compressor control.
<input type="checkbox"/> ont	On Time	<input type="checkbox"/> 20	If function is set to compressor control.
<input type="checkbox"/> oft	Off Time	<input type="checkbox"/> 20	If function is set to compressor control.
<input type="checkbox"/> tt	Valve Travel Time	<input type="checkbox"/> 5	If function is set to motorized valve control.
<input type="checkbox"/> db	Dead Band	<input type="checkbox"/> 20	If function is set to motorized valve control.
<input type="checkbox"/> tdL	Time Delay	<input type="checkbox"/> 20	If function is set to compressor control.

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

<input type="checkbox"/> 9LbL <input type="checkbox"/> SEE	Global Menu - Setup Page		Always
<input type="checkbox"/> C_F	Display Units	<input type="checkbox"/> F	Always
<input type="checkbox"/> ACLF	AC Line Frequency	<input type="checkbox"/> 60	Always
<input type="checkbox"/> rtYP	Ramping Type	<input type="checkbox"/> t ,	If 4th digit of part number is B, E, R or N.
<input type="checkbox"/> PtYP	Profile Type	<input type="checkbox"/> SEPt	If 4th digit of part number is B, E, R or N.
<input type="checkbox"/> 9SE	Guaranteed Soak Enable	<input type="checkbox"/> oFF	If 4th digit of part number is B, E, R or N.
<input type="checkbox"/> 95d1	Guaranteed Soak Deviation 1	10.0 F or 6.0 C	If 4th digit of part number is B, E, R or N.
<input type="checkbox"/> 95d2	Guaranteed Soak Deviation 2	10.0 F or 6.0 C	If 4th digit of part number is B, E, R or N AND digit 9 is C or J.

EZ-ZONE PM

Setup Page

<input type="text" value="5.A"/>	Source Instance A	<input type="text" value="1"/>
<input type="text" value="5.B"/>	Source Instance B	<input type="text" value="1"/>
<input type="text" value="Poff"/>	Power Off Time	<input type="text" value="0"/>
<input type="text" value="Subb"/>	Synchronized Variable Time Base	<input type="text" value="0"/>
<input type="text" value="LEd"/>	Communications LED Action	<input type="text" value="both"/>
<input type="text" value="Zone"/>	Zone	<input type="text" value="on"/>
<input type="text" value="Chan"/>	Channel	<input type="text" value="on"/>
<input type="text" value="dPrS"/>	Display Pairs	<input type="text" value="2"/>
<input type="text" value="dt"/>	Display Time	<input type="text" value="0"/>
<input type="text" value="USrS"/>	User Settings Save	<input type="text" value="nonE"/>
<input type="text" value="USrR"/>	User Settings Restore	<input type="text" value="nonE"/>

If 4th digit of part number is B, E, R or N AND digit 9 is C or J.
If 4th digit of part number is B, E, R or N AND digit 9 is C or J.
If 4th digit of part number is B, or E.
If 4th digit of part number is B, or E AND firmware 13 or newer.
Always
Always
Always
Always
Always
Always
Always

[Comm] [SEt]		Communications Menu - Setup Page	
1 [Comm]		Instance 1 - Communication	
		Standard Bus and Modbus RTU Model	
[PcoL]	Protocol	Modbus or Standard Bus	
[AdS]	Standard Bus Address	1	
[AdPr]	Modbus Address	1	
[bRUD]	Baud Rate	9600	
[PRr]	Parity	nonE	
[C_F]	Display Units	F	
[PrhL]	Modbus Word Order	LoH	
[PrRP]	Data Map	1 or 2	
[nUS]	Non-Volatile Save	YES	
2 [Comm]		Instance 2 - Communication	
		Modbus RTU Model	
[AdPr]	Modbus Address	1	
[bRUD]	Baud Rate	9600	
[PRr]	Parity	nonE	
[PrhL]	Modbus Word Order	LoH	
[C_F]	Display Units	F	
[PrRP]	Data Map	1 or 2	
[nUS]	Non-Volatile Save	YES	
		Ethernet Model	
[PrhL]	Modbus Word Order	LoH	

Always
Always
If 8th digit of part number 1 or D for Modbus RTU.
If 8th digit of part number 1 or D.
Always
If 8th digit of part number 1 or D AND protocol is set to Modbus.
If 8th digit of part number 1 or D AND protocol is set to Modbus.
If 8th digit of part number 1 or D AND protocol is set to Modbus.
If 8th digit of part number 1 or D.
If 8th digit of part number 1 or D AND protocol is set to Modbus.
Always
Always
If 8th digit of part number is 2, 3, 5, or 6,.
If 8th digit of part number is 2.
Always
Always
Always
Always
Always
Always
Always
Always
If 8th digit of part number is 3.
Always

EZ-ZONE PM

Setup Page

.P.P7	IP Address Mode	dHCP	Always
.PF1	IP Fixed Address Part 1	169	Always
.PF2	IP Fixed Address Part 2	254	Always
.PF3	IP Fixed Address Part 3	1	Always
.PF4	IP Fixed Address Part 4	1	Always
.P.S1	IP Fixed Subnet Part 1	255	Always
.P.S2	IP Fixed Subnet Part 2	255	Always
.P.S3	IP Fixed Subnet Part 3	0	Always
.P.S4	IP Fixed Subnet Part 4	0	Always
.P.G1	IP Fixed Gateway Part 1	0	Always
.P.G2	IP Fixed Gateway Part 2	0	Always
.P.G3	IP Fixed Gateway Part 3	0	Always
.P.G4	IP Fixed Gateway Part 4	0	Always
.P.TbE	Modbus TCP Enable	YES	Always
E.P.E	EtherNet/IP Enable	YES	Always
R.o.n.b	Implicit Output Assembly Size	20	If EtherNet/IP Enable is set to yes.
R.i.n.b	Implicit Input Assembly Size	20	If EtherNet/IP Enable is set to yes.
C.F	Display Units	F	Always
.P78P	Data Map	1 or 2	Always
.n.U.S	Non-volatile Save	YES	Always
DeviceNet Model			If 8th digit of part number 5.
.R.d.d	DeviceNet Node Address	63	Always
b.R.U.d	Baud Rate DeviceNet	125	Always
.F.C.E	DeviceNet Quick Connect Enable	no	Always
R.o.n.b	Implicit Output Assembly Size	20	Always
R.i.n.b	Implicit Input Assembly Size	20	Always
Profibus Model			If 8th digit of part number 6.
.P.R.d.d	Profibus Node Address	126	Always
.R.L.o.c	Profibus Address Lock	no	Always
.S.t.R.t	Profibus Status User	Read Only	Always
.r.t.C .S.E.t	Real Time Clock Menu - Setup Page		If 4th digit of part number is B or E.
.h.o.U.r	Hours		Always
.P7.m	Minutes		Always
.d.o.b.U	Day of Week		Always

Parameter	Parameter Name	Default	User Value	Instance
CUSE FCEY	Custom Menu - Factory Page			
1 CUSE	Instance 1 - Custom			
PAR	Parameter	ACPU	id	!
2 CUSE	Instance 2 - Custom			
PAR	Parameter	ACSP	id	!
3 CUSE	Instance 3 - Custom			
PAR	Parameter	CPN	id	!
4 CUSE	Instance 4 - Custom			
PAR	Parameter	hPr	id	!
5 CUSE	Instance 5 - Custom			
PAR	Parameter	CPR	id	!
6 CUSE	Instance 6 - Custom			
PAR	Parameter	AUTO	id	!
7 CUSE	Instance 7 - Custom			
PAR	Parameter	idle	id	!
8 CUSE	Instance 8 - Custom			
PAR	Parameter	PSES	id	!
9 CUSE	Instance 9 - Custom			
PAR	Parameter	PAR	id	!
10 CUSE	Instance 10 - Custom			
PAR	Parameter	nonE	id	!
11 CUSE	Instance 11 - Custom			
PAR	Parameter	nonE	id	!
12 CUSE	Instance 12 - Custom			
PAR	Parameter	nonE	id	!
13 CUSE	Instance 13 - Custom			

Appears if:
Always
Always
Always
Always
Always
Always
Always
Always
Always
Always

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Factory Page

Rev. D

<input type="text" value="PAR"/>	Parameter	<input type="text" value="nonE"/>	<input type="text" value="id"/>	<input type="text" value="!"/>
<input type="text" value="14 CUSE"/>	Instance 14 - Custom			
<input type="text" value="PAR"/>	Parameter	<input type="text" value="nonE"/>	<input type="text" value="id"/>	<input type="text" value="!"/>
<input type="text" value="15 CUSE"/>	Instance 15 - Custom			
<input type="text" value="PAR"/>	Parameter	<input type="text" value="nonE"/>	<input type="text" value="id"/>	<input type="text" value="!"/>
<input type="text" value="16 CUSE"/>	Instance 16 - Custom			
<input type="text" value="PAR"/>	Parameter	<input type="text" value="nonE"/>	<input type="text" value="id"/>	<input type="text" value="!"/>
<input type="text" value="17 CUSE"/>	Instance 17 - Custom			
<input type="text" value="PAR"/>	Parameter	<input type="text" value="nonE"/>	<input type="text" value="id"/>	<input type="text" value="!"/>
<input type="text" value="18 CUSE"/>	Instance 18 - Custom			
<input type="text" value="PAR"/>	Parameter	<input type="text" value="nonE"/>	<input type="text" value="id"/>	<input type="text" value="!"/>
<input type="text" value="19 CUSE"/>	Instance 19 - Custom			
<input type="text" value="PAR"/>	Parameter	<input type="text" value="nonE"/>	<input type="text" value="id"/>	<input type="text" value="!"/>
<input type="text" value="20 CUSE"/>	Instance 20 - Custom			
<input type="text" value="PAR"/>	Parameter	<input type="text" value="nonE"/>	<input type="text" value="id"/>	<input type="text" value="!"/>

Always
Always
Always
Always
Always
Always
Always

Parameter	Parameter Name	Default	User Value
<input type="text" value="LoC Fcty"/>	Security Setting Menu - Factory Page		
<input type="text" value="LoCo"/>	Operations Page	<input type="text" value="2"/>	
<input type="text" value="LoCP"/>	Profiling Page	<input type="text" value="3"/>	
<input type="text" value="PASE"/>	Password Enable	<input type="text" value="OFF"/>	
<input type="text" value="rLoC"/>	Read Lockout Security	<input type="text" value="5"/>	
<input type="text" value="SLoC"/>	Set Lockout Security	<input type="text" value="5"/>	
<input type="text" value="LoCL"/>	Locked Access Level	<input type="text" value="5"/>	
<input type="text" value="roLL"/>	Rolling Password	<input type="text" value="OFF"/>	
<input type="text" value="PASu"/>	User Password	<input type="text" value="63"/>	
<input type="text" value="PASa"/>	Administrator Password	<input type="text" value="156"/>	

Appears if:
If Password Enable is set off.
Always
Always
Always
Always
Always
Always
Always
Always
Always

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Factory Page

Rev. D

ULoC FcEY	Security Setting Menu - Factory Page	
Code	Public Key	Read Only
PASS	Password	changes

d.A9 FcEY	Diagnostics Menu - Factory Page	
Pn	Part Number	Read Only
rEu	Software Revision	Read Only
SbLd	Software Build	Read Only
Sn	Serial Number	Read Only
dAEE	Date of Manufacture	Read Only
IPAC	IP Address Mode	Read Only
.PA1	IP Actual Address Part 1	Read Only
.PA2	IP Actual Address Part 2	Read Only
.PA3	IP Actual Address Part 3	Read Only
.PA4	IP Actual Address Part 4	Read Only

CAL FcEY	Calibration Menu - Factory Page	
1 CAL	Instance 1 - Calibration	
P7u	Electrical Measurement	Read Only
EL.10	Electrical Input Offset	0.000
EL.15	Electrical Input Slope	1.000
ELo0	Electrical Output Offset	0.000
ELo5	Electrical Output Slope	1.000
Pn	Part Number	FcEY
Code	Public Key	4999
2 CAL	Instance 2 - Calibration	
P7u	Electrical Measurement	Read Only

<i>If Password Enable is set on.</i>
Always
Always

Always
Always
Always
Always
Always
<i>If 8th digit of part number is 3.</i>
<i>If 8th digit of part number is 3.</i>
<i>If 8th digit of part number is 3.</i>
<i>If 8th digit of part number is 3.</i>
<i>If 8th digit of part number is 3.</i>

<i>If Password Enable is set off AND read lock is set greater than 3.</i>
Always
Always
Always
Always
<i>If 6th digit of part number is F.</i>
<i>If 6th digit of part number is F.</i>
<i>Always if revision 13 or newer.</i>
<i>Always if revision 13 or newer.</i>
Always
Always

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Factory Page

Rev. D

<input type="text" value="EL.10"/>	Electrical Input Offset	<input type="text" value="0.000"/>	
<input type="text" value="EL.15"/>	Electrical Input Slope	<input type="text" value="1.000"/>	
<input type="text" value="3"/> <input type="text" value="CAL"/>	Instance 3 - Calibration		
<input type="text" value="EL.00"/>	Electrical Output Offset	<input type="text" value="0.000"/>	
<input type="text" value="EL.05"/>	Electrical Output Slope	<input type="text" value="1.000"/>	

Always
Always
Always
If 10th digit of part number is F.
If 10th digit of part number is F.

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Profile Page

Rev. D

P1 Prof		Profile 1 Step Menu - Profiling Page	
1 P1		Step 1 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P1 Prof		Profile 1 Step Menu - Profiling Page	
2 P1		Step 2 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P1 Prof		Profile 1 Step Menu - Profiling Page	
3 P1		Step 3 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
rate	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P1 Prof		Profile 1 Step Menu - Profiling Page	
4 P1		Step 4 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
rate	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P1 Prof		Profile 1 Step Menu - Profiling Page	
5 P1		Step 5 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
rate	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P1 Prof		Profile 1 Step Menu - Profiling Page	
6 P1		Step 6 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
rate	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P1 Prof		Profile 1 Step Menu - Profiling Page	
7 P1		Step 7 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P1 Prof		Profile 1 Step Menu - Profiling Page	
8 P1		Step 8 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P1 Prof		Profile 1 Step Menu - Profiling Page	
9 P1		Step 9 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P1 Prof		Profile 1 Step Menu - Profiling Page	
10 P1		Step 10 - Profile 1	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
11 P2		Step 11 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
12 P2		Step 12 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
13 P2		Step 13 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
rate	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
14 P2		Step 14 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
rate	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
15 P2		Step 15 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
rate	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
16 P2		Step 16 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
rate	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
17 P2		Step 17 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
18 P2		Step 18 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
19 P2		Step 19 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P2 Prof		Profile 2 Step Menu - Profiling Page	
20 P2		Step 20 - Profile 2	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
21 P3		Step 21 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
22 P3		Step 22 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
23 P3		Step 23 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
24 P3		Step 24 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
25 P3		Step 25 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
26 P3		Step 26 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
27 P3		Step 27 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
28 P3		Step 28 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
29 P3		Step 29 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P3 PROF		Profile 3 Step Menu - Profiling Page	
30 P3		Step 30 - Profile 3	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
31 P4		Step 31 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
32 P4		Step 32 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
33 P4		Step 33 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
34 P4		Step 34 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
35 P4		Step 35 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
36 P4		Step 36 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
37 P4		Step 37 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
38 P4		Step 38 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
39 P4		Step 39 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

P4 PROF		Profile 4 Step Menu - Profiling Page	
40 P4		Step 40 - Profile 4	
STEP	Step Type	USEP	
ESP1	Target Set Point Loop 1	0 F or -18 C	
ESP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	OFF	
WJE2	Wait Event 2	OFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent1	Event 1	OFF	
Ent2	Event 2	OFF	

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>It step type is Jump Loop.</i>
<i>It step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>It step type is Jump Loop.</i>
<i>It step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>It step type is Jump Loop.</i>
<i>It step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>It step type is Jump Loop.</i>
<i>It step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>If step type is Jump Loop.</i>
<i>If step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>If step type is Jump Loop.</i>
<i>If step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>If step type is Jump Loop.</i>
<i>If step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>If step type is Jump Loop.</i>
<i>If step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>It step type is Jump Loop.</i>
<i>It step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>It step type is Jump Loop.</i>
<i>It step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>It step type is Jump Loop.</i>
<i>It step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If profile type is set to rate.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
<i>If step type is Wait for Event.</i>
<i>If 4th digit of model number is B or E AND step type is Wait for Time.</i>
<i>It step type is Jump Loop.</i>
<i>It step type is Jump Loop.</i>
<i>If step type is End.</i>
Always
Always

<i>If 4th digit of model number is R, B, N or E.</i>
Always
Always
Always
<i>If 9th digit of model number is C or J.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
<i>If step type is time or soak.</i>
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<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
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<i>If 4th digit of model number is R, B, N or E.</i>
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<i>If 9th digit of model number is C or J.</i>
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<i>If step type is Wait for Process or Wait for Both.</i>
<i>If step type is Wait for Event.</i>
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Assembly Row (element)	Parameter ID (contains pointer)	Standard Bus Instance	Modbus Assembly Instance	Modbus Register Address	User - Modbus Register Pointer	User - Pointer Description	Default Modbus Register Pointer - Map 1	Default Modbus Register Pointer - Map 2	Attribute Name
1	19001	1	1	40			1880	2360	Loop 1 - User Control Mode
2	19002	1	2	42			2160	2640	Loop 1 - Closed Loop Set Point
3	19003	1	3	44			2162	2642	Loop 1 - Open Loop Set Point
4	19004	1	4	46			1480	1880	Alarm 1 - Alarm High Set Point
5	19005	1	5	48			1482	1882	Alarm 1 - Alarm Low Set Point
6	19006	1	6	50			1530	1940	Alarm 2 - Alarm High Set Point
7	19007	1	7	52			1532	1942	Alarm 2 - Alarm Low Set Point
8	19008	1	8	54			1580	2000	Alarm 3 - Alarm High Set Point
9	19009	1	9	56			1582	2002	Alarm 3 - Alarm Low Set Point
10	19010	1	10	58			1630	2120	Alarm 4 - Alarm High Set Point
11	19011	1	11	60			1632	2062	Alarm 4 - Alarm 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 - Heat Hysteresis
19	19019	1	19	76			1902	2382	Loop 1 - Cool Hysteresis
20	19020	1	20	78			1898	2378	Loop 1 - Dead Band

Assembly Row (element)	Parameter ID (contains pointer)	Standard Bus Instance	Modbus Assembly Instance	Modbus Register Address	User - Modbus Register Pointer	User - Pointer Description	Default Modbus Register Pointer - Map 1	Default Modbus Register Pointer - Map 2	Attribute Name
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				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.

	Originator [PLC] to Target [EZ-ZONE] - Instance 1											
	Pointers of Data									Value Referenced by Pointer		
Assembly Row (element)	Parameter ID (contains table pointer)	Watlow Class, Inst, Member Table Pointer	Parameter ID Write Value (data pointer)	Watlow Class, Inst, Member (data pointer)	CIP - Explicit write Class, Inst, Attribute (table pointer)	CIP - Write Class, Inst, Attribute (data pointer)	Parameter Name and Function (description)	Data Type (pointer)		Parameter ID (contains value)	Controller to Receive from PLC	Data Type (data value)
1	19001	19, 1, 1	51001001	51, 1, 1	119, 1, 1	151, 1, 1	Control Loop 1, User Control Mode	DINT		20001		DINT
2	19002	19, 1, 2	7001001	7, 1, 1	119, 1, 2	107, 1, 1	Control Loop 1, Closed Loop Set Point	DINT		20002		REAL
3	19003	19, 1, 3	7002001	7, 1, 2	119, 1, 3	107, 1, 2	Control Loop 1, Open Loop Set Point	DINT		20003		REAL
4	19004	19, 1, 4	9001001	9, 1, 1	119, 1, 4	109, 1, 1	Alarm 1, Alarm High Set Point	DINT		20004		REAL
5	19005	19, 1, 5	9002001	9, 1, 2	119, 1, 5	109, 1, 2	Alarm 1, Alarm Low Set Point	DINT		20005		REAL
6	19006	19, 1, 6	9001002	9, 2, 1	119, 1, 6	109, 2, 1	Alarm 2, Alarm High Set Point	DINT		20006		REAL
7	19007	19, 1, 7	9002002	9, 2, 2	119, 1, 7	109, 2, 2	Alarm 2, Alarm Low Set Point	DINT		20007		REAL
8	19008	19, 1, 8	9001003	9, 3, 1	119, 1, 8	109, 3, 1	Alarm 3, Alarm High Set Point	DINT		20008		REAL
9	19009	19, 1, 9	9002003	9, 3, 2	119, 1, 9	109, 3, 2	Alarm 3, Alarm Low Set Point	DINT		20009		REAL
10	19010	19, 1, 10	9001004	9, 4, 1	119, 1, 10	109, 4, 1	Alarm 4, Alarm High Set Point	DINT		20010		REAL
11	19011	19, 1, 11	9002004	9, 4, 2	119, 1, 11	109, 4, 2	Alarm 4 - Alarm Low Set Point	DINT		20011		REAL
12	19012	19, 1, 12	22011001	22, 1, 11	119, 1, 12	122, 1, 11	Profile Action Request	DINT		20012		DINT
13	19013	19, 1, 13	22001001	22, 1, 1	119, 1, 13	122, 1, 1	Profile Start	DINT		20013		DINT
14	19014	19, 1, 14	51006001	51, 1, 6	119, 1, 14	151, 1, 6	Control Loop 1, Heat Proportional Band	DINT		20014		REAL
15	19015	19, 1, 15	51007001	51, 1, 7	119, 1, 15	151, 1, 7	Control Loop 1, Cool Proportional Band	DINT		20015		REAL
16	19016	19, 1, 16	51008001	51, 1, 8	119, 1, 16	151, 1, 8	Control Loop 1, Time Integral	DINT		20016		REAL
17	19017	19, 1, 17	51009001	51, 1, 9	119, 1, 17	151, 1, 9	Control Loop 1, Time Derivative	DINT		20017		REAL
18	19018	19, 1, 18	51011001	51, 1, 11	119, 1, 18	151, 1, 11	Control Loop 1, Heat Hysteresis	DINT		20018		REAL
19	19019	19, 1, 19	51012001	51, 1, 12	119, 1, 19	151, 1, 12	Control Loop 1, Cool Hysteresis	DINT		20019		REAL
20	19020	19, 1, 20	51010001	51, 1, 10	119, 1, 20	151, 1, 10	Control Loop 1, Dead Band	DINT		20020		REAL

	Target [EZ-ZONE] to Originator [PLC] - Instance 2											
	Pointers of Data									Value Referenced by Pointer		
Assembly Row (element)	Parameter ID (contains table pointer)	Watlow Class, Inst, Member Table Pointer	Parameter ID Write Value (data pointer)	Watlow Class, Inst, Member (data pointer)	CIP - Explicit write Class, Inst, Attribute (table pointer)	CIP - Write Class, Inst, Attribute (data pointer)	Parameter Name and Function (description)	Data Type (pointer)		Parameter ID (contains value)	Controller to Send to PLC	Data Type (data value)
0	none	none	none	none	none	none	Device Status	DINT		none		BIN
1	19001	19, 2, 1	4001001	4, 1, 1	119, 2, 1	104, 1, 1	Analog Input 1, Analog Input Value	DINT		20001		REAL
2	19002	19, 2, 2	4002001	4, 1, 2	119, 2, 2	104, 1, 2	Analog Input 1, Input Error	DINT		20002		REAL
3	19003	19, 2, 3	4001002	4, 2, 1	119, 2, 3	104, 2, 1	Analog Input 2, Analog Input Value	DINT		20003		REAL
4	19004	19, 2, 4	4002002	4, 2, 2	119, 2, 4	104, 2, 2	Analog Input 2, Input Error	DINT		20004		REAL
5	19005	19, 2, 5	9009001	9, 1, 9	119, 2, 5	109, 1, 9	Alarm 1, Alarm State	DINT		20005		DINT
6	19006	19, 2, 6	9009002	9, 2, 9	119, 2, 6	109, 2, 9	Alarm 2, Alarm State	DINT		20006		DINT
7	19007	19, 2, 7	9009003	9, 3, 9	119, 2, 7	109, 3, 9	Alarm 3, Alarm State	DINT		20007		DINT
8	19008	19, 2, 8	9009004	9, 4, 9	119, 2, 8	109, 4, 9	Alarm 4, Alarm State	DINT		20008		DINT
9	19009	19, 2, 9	10005001	10, 1, 5	119, 2, 9	110, 1, 5	Digital Input 1, Event Status	DINT		20009		DINT
10	19010	19, 2, 10	10005002	10, 2, 5	119, 2, 10	110, 2, 5	Digital Input 2, Event Status	DINT		20010		DINT
11	19011	19, 2, 11	51002001	51, 1, 2	119, 2, 11	151, 1, 2	Control Mode Active	DINT		20011		DINT
12	19012	19, 2, 12	51013001	51, 1, 13	119, 2, 12	151, 1, 13	Control Loop 1, Heat Power	DINT		20012		REAL
13	19013	19, 2, 13	51014001	51, 1, 14	119, 2, 13	151, 1, 14	Control Loop 1, Cool Power	DINT		20013		REAL
14	19014	19, 2, 14	12006001	12, 1, 6	119, 2, 14	112, 1, 6	Limit State	DINT		20014		DINT
15	19015	19, 2, 15	22001001	22, 1, 1	119, 2, 15	116, 1, 1	Profile Start	DINT		20015		DINT
16	19016	19, 2, 16	22011001	22, 1, 11	119, 2, 16	116, 1, 11	Profile Action Request	DINT		20016		DINT
17	19017	19, 2, 17	22003001	22, 1, 3	119, 2, 17	116, 1, 3	Current Profile	DINT		20017		DINT
18	19018	19, 2, 18	22004001	22, 1, 4	119, 2, 18	116, 1, 4	Current Step	DINT		20018		DINT
19	19019	19, 2, 19	22005001	22, 1, 5	119, 2, 19	116, 1, 5	Profile Active Set Point	DINT		20019		REAL
20	19020	19, 2, 20	22009001	22, 1, 9	119, 2, 20	116, 1, 9	Step Time Remaining	DINT		20020		DINT