



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, <input type="checkbox"/>	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		<input type="text" value="0.0"/>	Always
<input type="checkbox"/> 2 <input type="checkbox"/> A, <input type="checkbox"/>	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		<input type="text" value="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 <input type="checkbox"/>	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		<input type="text" value="0.0"/>	Always
<input type="checkbox"/> ou	Output Value		Read Only	Always
<input type="checkbox"/> 2 <input type="checkbox"/> Lnr <input type="checkbox"/>	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		<input type="text" value="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 <input type="checkbox"/>	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		<input type="text" value="0.0"/>	Always
<input type="checkbox"/> ou	Output Value		Read Only	Always
<input type="checkbox"/> 2 <input type="checkbox"/> Pu <input type="checkbox"/>	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="0F5t"/>	Offset	<input type="text" value="0.0"/>		Always
<input type="text" value="o.u"/>	Output Value		Read Only	Always
<input type="text" value="d.i.o"/> <input type="text" value="o.P.E.r"/> Digital Input/Output Menu - Operations Page				<i>If 5th digit of model number is 2 or 4 OR if 8th digit is C or D.</i>
<input type="text" value="5"/> <input type="text" value="d.i.o"/> Instance 5 - Digital I/O				<i>If 5th digit of model number is 2 or 4.</i>
<input type="text" value="d.o.5"/>	Output State		Read Only	<i>If direction is set as output.</i>
<input type="text" value="E.i.5"/>	Event Status		Read Only	<i>If direction is set as input.</i>
<input type="text" value="6"/> <input type="text" value="d.i.o"/> Instance 6 - Digital I/O				<i>If 5th digit of model number is 2 or 4.</i>
<input type="text" value="d.o.5"/>	Output State		Read Only	<i>If direction is set as output.</i>
<input type="text" value="E.i.5"/>	Event Status		Read Only	<i>If direction is set as input.</i>
<input type="text" value="7"/> <input type="text" value="d.i.o"/> Instance 7 - Digital I/O				<i>If 8th digit of model number is C or D.</i>
<input type="text" value="d.o.5"/>	Output State		Read Only	<i>If direction is set as output.</i>
<input type="text" value="d.i.5"/>	Input State		Read Only	<i>If direction is set as input.</i>
<input type="text" value="8"/> <input type="text" value="d.i.o"/> Instance 8 - Digital I/O				<i>If 8th digit of model number is C or D.</i>
<input type="text" value="d.o.5"/>	Output State		Read Only	<i>If direction is set as output.</i>
<input type="text" value="d.i.5"/>	Input State		Read Only	<i>If direction is set as input.</i>
<input type="text" value="9"/> <input type="text" value="d.i.o"/> Instance 9 - Digital I/O				<i>If 8th digit of model number is C or D.</i>
<input type="text" value="d.o.5"/>	Output State		Read Only	<i>If direction is set as output.</i>
<input type="text" value="d.i.5"/>	Input State		Read Only	<i>If direction is set as input.</i>
<input type="text" value="10"/> <input type="text" value="d.i.o"/> Instance 10 - Digital I/O				<i>If 8th digit of model number is C or D.</i>
<input type="text" value="d.o.5"/>	Output State		Read Only	<i>If direction is set as output.</i>
<input type="text" value="d.i.5"/>	Input State		Read Only	<i>If direction is set as input.</i>
<input type="text" value="11"/> <input type="text" value="d.i.o"/> Instance 11 - Digital I/O				<i>If 8th digit of model number is C or D.</i>
<input type="text" value="d.o.5"/>	Output State		Read Only	<i>If direction is set as output.</i>
<input type="text" value="d.i.5"/>	Input State		Read Only	<i>If direction is set as input.</i>
<input type="text" value="12"/> <input type="text" value="d.i.o"/> Instance 12 - Digital I/O				<i>If 8th digit of model number is C or D.</i>
<input type="text" value="d.o.5"/>	Output State		Read Only	<i>If direction is set as output.</i>
<input type="text" value="d.i.5"/>	Input State		Read Only	<i>If direction is set as input.</i>
<input type="text" value="L.i.P.r"/> <input type="text" value="o.P.E.r"/> Limit Menu - Operations Page				<i>If 4th digit of model number is L, M or D or 9th digit is L or M.</i>

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Operations Page

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

<i>If limit sides is low or both.</i>
<i>If limit sides is high or both.</i>
<i>If limit is tripped.</i>
<i>Always</i>

<input type="checkbox"/> MON <input type="checkbox"/> OPER	Monitor Menu - Operations Page		
<input type="checkbox"/> 1 <input type="checkbox"/> MON	Instance 1 - Monitor		
<input type="checkbox"/> CMRA	Control Mode Active	Read Only	
<input type="checkbox"/> HPR	Heat Power	Read Only	
<input type="checkbox"/> CLR	Cool Power	Read Only	
<input type="checkbox"/> CSP	Closed Loop Working SP	Read Only	
<input type="checkbox"/> PVA	Process Value Active	Read Only	
<input type="checkbox"/> 2 <input type="checkbox"/> MON	Instance 2 - Monitor		
<input type="checkbox"/> CMRA	Control Mode Active	Read Only	
<input type="checkbox"/> HPR	Heat Power	Read Only	
<input type="checkbox"/> CLR	Cool Power	Read Only	
<input type="checkbox"/> CSP	Closed Loop Working SP	Read Only	
<input type="checkbox"/> PVA	Process Value Active	Read Only	

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

<input type="checkbox"/> LOOP <input type="checkbox"/> OPER	Control Loop Menu - Operations Page		
<input type="checkbox"/> 1 <input type="checkbox"/> LOOP	Instance 1 - Control Loop		
<input type="checkbox"/> REN	Remote Set Point Enable	<input type="checkbox"/> no	
<input type="checkbox"/> CM	Control Mode	<input type="checkbox"/> AUTO	
<input type="checkbox"/> ATSP	Autotune Set Point	<input type="checkbox"/> 90.0	
<input type="checkbox"/> AUR	Autotune Request	<input type="checkbox"/> no	
<input type="checkbox"/> CSP	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"/> HPB	Heat Proportional Band	25.0 F or 14.0 C	
<input type="checkbox"/> HHY	Heat Hysteresis	3.0 F or 2.0 C	
<input type="checkbox"/> CPB	Cool Proportional Band	25.0 F or 14.0 C	

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

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<input type="checkbox"/> C.h.Y	Cool Hysteresis	3.0 F or 2.0 C		Always
<input type="checkbox"/> t.i	Time Integral	<input type="text" value="1800"/>		Always
<input type="checkbox"/> t.d	Time Derivative	<input type="text" value="00"/>		Always
<input type="checkbox"/> db	Dead Band	<input type="text" value="00"/>		Always
<input type="checkbox"/> o.SP	Open Loop Set Point	<input type="text" value="00"/>		Always
<input type="text" value="2"/> LoOP	Instance 2 - Control Loop			<i>If 9th digit of model number is C, J.</i>
<input type="checkbox"/> C.P.P	Control Mode	<input type="text" value="Auto"/>		Always
<input type="checkbox"/> AutSP	Autotune Set Point	<input type="text" value="900"/>		Always
<input type="checkbox"/> AutE	Autotune Request	<input type="text" value="no"/>		Always
<input type="checkbox"/> C.SP	Closed Loop Set Point	75.0 F or 24.0 C		Always
<input type="checkbox"/> i.d.S	Idle Set Point	75.0 F or 24.0 C		Always
<input type="checkbox"/> h.P.b	Heat Proportional Band	25.0 F or 14.0 C		Always
<input type="checkbox"/> h.h.Y	Heat Hysteresis	3.0 F or 2.0 C		Always
<input type="checkbox"/> C.P.b	Cool Proportional Band	25.0 F or 14.0 C		Always
<input type="checkbox"/> C.h.Y	Cool Hysteresis	3.0 F or 2.0 C		Always
<input type="checkbox"/> t.i	Time Integral	<input type="text" value="1800"/>		Always
<input type="checkbox"/> t.d	Time Derivative	<input type="text" value="00"/>		Always
<input type="checkbox"/> db	Dead Band	<input type="text" value="00"/>		Always
<input type="checkbox"/> o.SP	Open Loop Set Point	<input type="text" value="00"/>		Always
<input type="checkbox"/> ALP.P <input type="checkbox"/> o.P.E.r	Alarm Menu - Operations Page			Always
<input type="text" value="1"/> ALP.P	Instance 1 - Alarm			Always
<input type="checkbox"/> ALo	Alarm Low Set Point	32.0 F or 0.0 C		Always
<input type="checkbox"/> A.h.i	Alarm High Set Point	300.0 F or 150.0 C		Always
<input type="checkbox"/> ALC.r	Alarm Clear Request	<input type="text" value="CLR"/>		<i>If alarm is active and alarm latching is set to latch.</i>
<input type="checkbox"/> AS.r	Alarm Silence Request	<input type="text" value="SIL"/>		<i>If alarm is active and alarm silencing is on.</i>
<input type="checkbox"/> AS.E	Alarm State	Read Only		Always
<input type="text" value="2"/> ALP.P	Instance 2 - Alarm			Always
<input type="checkbox"/> ALo	Alarm Low Set Point	32.0 F or 0.0 C		Always
<input type="checkbox"/> A.h.i	Alarm High Set Point	300.0 F or 150.0 C		Always

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<input type="checkbox"/> ACLR	Alarm Clear Request	<input type="checkbox"/> CLR		If alarm is active and alarm latching is set to latch.
<input type="checkbox"/> ASIR	Alarm Silence Request	<input type="checkbox"/> SIL		If alarm is active and alarm silencing is on.
<input type="checkbox"/> ASTE	Alarm State	Read Only		Always
<input type="checkbox"/> 3 ALPN	Instance 3 - Alarm			Always
<input type="checkbox"/> ALo	Alarm Low Set Point	32.0 F or 0.0 C		Always
<input type="checkbox"/> AHi	Alarm High Set Point	300.0 F or 150.0 C		Always
<input type="checkbox"/> ACLR	Alarm Clear Request	<input type="checkbox"/> CLR		If alarm is active and alarm latching is set to latch.
<input type="checkbox"/> ASIR	Alarm Silence Request	<input type="checkbox"/> SIL		If alarm is active and alarm silencing is on.
<input type="checkbox"/> ASTE	Alarm State	Read Only		Always
<input type="checkbox"/> 4 ALPN	Instance 4 - Alarm			Always
<input type="checkbox"/> ALo	Alarm Low Set Point	32.0 F or 0.0 C		Always
<input type="checkbox"/> AHi	Alarm High Set Point	300.0 F or 150.0 C		Always
<input type="checkbox"/> ACLR	Alarm Clear Request	<input type="checkbox"/> CLR		If alarm is active and alarm latching is set to latch.
<input type="checkbox"/> ASIR	Alarm Silence Request	<input type="checkbox"/> SIL		If alarm is active and alarm silencing is on.
<input type="checkbox"/> ASTE	Alarm State	Read Only		Always
<input type="checkbox"/> CURR <input type="checkbox"/> OPER Current Menu - Operations Page				If 9th digit of model number is a T.
<input type="checkbox"/> Chi	Current High Set Point	<input type="checkbox"/> 50		Always
<input type="checkbox"/> Chl	Current Low Set Point	<input type="checkbox"/> 0		Always
<input type="checkbox"/> ACLR	Current Read	Read Only		Always
<input type="checkbox"/> ASIR	Current Error	Read Only		Always
<input type="checkbox"/> ASTE	Heater Error	Read Only		Always
<input type="checkbox"/> PNAB <input type="checkbox"/> OPER Math Menu - Operations Page				If 9th digit of PN is a C or J AND 12th digit of PN is a C.
<input type="checkbox"/> SuA	Source Value A	Read Only		Always
<input type="checkbox"/> SuB	Source Value B	Read Only		Always
<input type="checkbox"/> SuE	Source Value E	Read Only		Always
<input type="checkbox"/> oFSE	Offset	<input type="checkbox"/> 0		Always
<input type="checkbox"/> ou	Output Value	Read Only		Always
<input type="checkbox"/> SoF <input type="checkbox"/> OPER Special Output Function Menu - Operations Page				If 12th digit of model number is C.

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<input type="checkbox"/> SuP	Source Value 1	Read Only	Always
<input type="checkbox"/> SuB	Source Value 2	Read Only	Always
<input type="checkbox"/> oU1	Output Value 1	Read Only	Always
<input type="checkbox"/> oU2	Output Value 2	Read Only	Always
PStr oPEr	Profile Status Menu - Operations Page		<i>If 4th digit of model number is R, B, E or N.</i>
<input type="checkbox"/> PStr	Profile Start	Read/Write	Always
<input type="checkbox"/> PRCr	Profile Action Request	Read/Write	Always
<input type="checkbox"/> StP	Active Step	Read Only	Profile is active.
<input type="checkbox"/> StYP	Active Step Type	Read Only	Profile is active.
<input type="checkbox"/> t.SS1	Target Set Point Loop 1	Read/Write	Profile is active.
<input type="checkbox"/> t.SS2	Target Set Point Loop 2	Read/Write	<i>If 9th digit of model number C or J and profile is active.</i>
<input type="checkbox"/> RCSP	Produced Set Point 1	Read Only	Profile is active.
<input type="checkbox"/> PSP2	Produced Set Point 2	Read Only	<i>If 9th digit of model number C or J and profile is active.</i>
<input type="checkbox"/> hoUr	Hours	Read/Write	Profile is active.
<input type="checkbox"/> Min	Minutes	Read/Write	Profile is active.
<input type="checkbox"/> SEC	Seconds	Read/Write	Profile is active.
<input type="checkbox"/> Ent1	Event Output 1	Read/Write	Always
<input type="checkbox"/> Ent2	Event Output 2	Read/Write	Always
<input type="checkbox"/> JC	Jump Count Remaining	Read Only	Always

Parameter	Parameter Name	Default	User Value	Appears if:
<input type="checkbox"/> A, <input type="checkbox"/> SEL	Analog Input Menu - Setup Page			Always
<input type="checkbox"/> I, <input type="checkbox"/> A, <input type="checkbox"/> 1	Instance 1 - Analog Input			Submenu instance only appears if more than one instance.
<input type="checkbox"/> SEN	Sensor Type	<input type="checkbox"/> Ec		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"/> 00		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"/> 200		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"/> 00		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"/> 00		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"/> 05		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"/> ICR	Calibration Offset	<input type="checkbox"/> 00		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"/> 1	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"/> Ec		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"/> 00		Always
<input type="checkbox"/> SHI	Scale High	<input type="checkbox"/> 200		Always
<input type="checkbox"/> RLO	Range Low	<input type="checkbox"/> 00		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"/> 00		Always

Digital Input/Output Menu - Setup Page	
Instance 5 - Digital I/O	
<input type="checkbox"/> d.i.r	Digital I/O Direction
<input type="checkbox"/> F.n	Output Function
<input type="checkbox"/> F.i	Output Function Instance
<input type="checkbox"/> o.c.t	Output Control
<input type="checkbox"/> o.t.b	Output Time Base
<input type="checkbox"/> o.l.o	Output Low Power Scale
<input type="checkbox"/> o.h.i	Output High Power Scale
<input type="checkbox"/> L.E.v	Active Level
<input type="checkbox"/> F.n	Action Function
<input type="checkbox"/> F.i	Function Instance
Instance 6 - Digital I/O	
<input type="checkbox"/> d.i.r	Digital I/O Direction
<input type="checkbox"/> F.n	Output Function
<input type="checkbox"/> F.i	Output Function Instance
<input type="checkbox"/> o.c.t	Output Control
<input type="checkbox"/> o.t.b	Output Time Base
<input type="checkbox"/> o.l.o	Output Low Power Scale
<input type="checkbox"/> o.h.i	Output High Power Scale
<input type="checkbox"/> L.E.v	Active Level
<input type="checkbox"/> F.n	Action Function
<input type="checkbox"/> F.i	Function Instance
Instance 7 - Digital I/O	
<input type="checkbox"/> d.i.r	Digital I/O Direction
<input type="checkbox"/> F.n	Output Function
<input type="checkbox"/> F.i	Output Function Instance
<input type="checkbox"/> o.c.t	Output Control
<input type="checkbox"/> o.t.b	Output Time Base
<input type="checkbox"/> o.l.o	Output Low Power Scale
<input type="checkbox"/> o.h.i	Output High Power Scale
<input type="checkbox"/> L.E.v	Active Level
<input type="checkbox"/> F.n	Action Function
<input type="checkbox"/> F.i	Function Instance

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

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		
o.c.t.	Output Control	F.t.b.	
o.t.b.	Output Time Base		10
o.l.o.	Output Low Power Scale		0
o.h.i.	Output High Power Scale		100
L.E.u.	Active Level		h.9h
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		
o.c.t.	Output Control	F.t.b.	
o.t.b.	Output Time Base		10
o.l.o.	Output Low Power Scale		0
o.h.i.	Output High Power Scale		100
L.E.u.	Active Level		h.9h
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		
o.c.t.	Output Control	F.t.b.	
o.t.b.	Output Time Base		10
o.l.o.	Output Low Power Scale		0
o.h.i.	Output High Power Scale		100
L.E.u.	Active Level		h.9h
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"/> oLc	Output Control	<input type="checkbox"/> FcB
<input type="checkbox"/> oLb	Output Time Base	<input type="checkbox"/> 10
<input type="checkbox"/> oLo	Output Low Power Scale	<input type="checkbox"/> 0
<input type="checkbox"/> oHi	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.io	Instance 12 - Digital I/O	
<input type="checkbox"/> dir	Digital I/O Direction	<input type="checkbox"/> oEPc
<input type="checkbox"/> Fn	Output Function	<input type="checkbox"/> OFF
<input type="checkbox"/> Fi	Output Function Instance	<input type="checkbox"/> 1
<input type="checkbox"/> oLc	Output Control	<input type="checkbox"/> FcB
<input type="checkbox"/> oLb	Output Time Base	<input type="checkbox"/> 10
<input type="checkbox"/> oLo	Output Low Power Scale	<input type="checkbox"/> 0
<input type="checkbox"/> oHi	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

<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to input.</i>
<i>If Digital I/O Direction is set to input.</i>
<i>If Digital I/O Direction is set to input.</i>
<i>If 8th digit of model number is C or D</i>
Always
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to output.</i>
<i>If Digital I/O Direction is set to input.</i>
<i>If Digital I/O Direction is set to input.</i>
<i>If Digital I/O Direction is set to input.</i>

<input type="checkbox"/> L.PP <input type="checkbox"/> SEE	Limit Menu - Setup Page	
<input type="checkbox"/> L.Sd	Limit Sides	<input type="checkbox"/> bOch
<input type="checkbox"/> L.hY	Limit Hysteresis	3.0 F or 2.0 C
<input type="checkbox"/> SP.Lh	Set Point High Limit	<input type="checkbox"/> 9999
<input type="checkbox"/> SP.LL	Set Point Low Limit	<input type="checkbox"/> -1999
<input type="checkbox"/> L.hS	Limit High Set Point	0.0 F or -18.0 C
<input type="checkbox"/> L.LS	Limit Low Set Point	0.0 F or -18.0 C
<input type="checkbox"/> SF.n.R	Source Function A	<input type="checkbox"/> nonE
<input type="checkbox"/> S.i.R	Source Instance A	<input type="checkbox"/> 1
<input type="checkbox"/> L.Cr	Limit Clear Request	appears if active
<input type="checkbox"/> L.St	Limit Status	Read Only
<input type="checkbox"/> L.iE	Integrate with System	<input type="checkbox"/> no

<i>If 4th digit of model number is L, M or D or 9th digit is an L or M</i>
<i>If limit sides is low or both.</i>
<i>If limit sides is high or both.</i>
<i>If limit is tripped.</i>
Always
<i>If 4th digit of model number is a C, R, J, B, E, N or S AND 9th digit is an L or M</i>

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

<i>If 4th digit of part number is C, R, B, J, N, E, or S.</i>

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Setup Page

<input type="checkbox"/> Loop	Instance 1 - Control Loop		<i>Submenu instance only appears if more than one instance.</i>
<input type="checkbox"/> hR9	Heat Algorithm	<input type="checkbox"/> Pid	Always
<input type="checkbox"/> CR9	Cool Algorithm	<input type="checkbox"/> oFF	Always
<input type="checkbox"/> CCr	Cool Output Curve	<input type="checkbox"/> oFF	<i>If cool algorithm is set to PID.</i>
<input type="checkbox"/> hPb	Heat Proportional Band	25.0 F or 14.0 C	<i>If heat algorithm is set to PID.</i>
<input type="checkbox"/> hhY	Heat Hysteresis	3.0 F or 2.0 C	<i>If heat algorithm is set to ON/OFF.</i>
<input type="checkbox"/> CPb	Cool Proportional Band	25.0 F or 14.0 C	<i>If cool algorithm is set to PID.</i>
<input type="checkbox"/> ChY	Cool Hysteresis	3.0 F or 2.0 C	<i>If cool algorithm is set to ON/OFF.</i>
<input type="checkbox"/> tI	Time Integral	<input type="checkbox"/> 180	<i>If heat or cool algorithm is set to PID.</i>
<input type="checkbox"/> tD	Time Derivative	<input type="checkbox"/> 0	<i>If heat or cool algorithm is set to PID.</i>
<input type="checkbox"/> db	Dead Band	<input type="checkbox"/> 0	<i>If heat or cool algorithm is set to PID.</i>
<input type="checkbox"/> tTUn	TRU-TUNE+ Enable	<input type="checkbox"/> no	Always
<input type="checkbox"/> tband	TRU-TUNE+ Band	<input type="checkbox"/> 0	Always
<input type="checkbox"/> tgn	TRU-TUNE+ Gain	<input type="checkbox"/> 3	Always
<input type="checkbox"/> AutSP	Autotune Set Point	<input type="checkbox"/> 90	Always
<input type="checkbox"/> tAgc	Autotune Aggressiveness	<input type="checkbox"/> CrIt	Always
<input type="checkbox"/> PdL	Peltier Delay	<input type="checkbox"/> 00	Always
<input type="checkbox"/> rEn	Remote Set Point Enable	<input type="checkbox"/> no	<i>If 9th digit of model number is R or P.</i>
<input type="checkbox"/> rty	Remote Set Point Type	<input type="checkbox"/> RUEa	<i>If 9th digit of model number is R or P.</i>
<input type="checkbox"/> UFR	User Failure Action	<input type="checkbox"/> USEr	Always
<input type="checkbox"/> FRIL	Input Error Failure	<input type="checkbox"/> USEr	Always
<input type="checkbox"/> P78n	Fixed Power	<input type="checkbox"/> 00	Always
<input type="checkbox"/> LdE	Open Loop Detect Enable	<input type="checkbox"/> no	Always
<input type="checkbox"/> LdE	Open Loop Detect Time	<input type="checkbox"/> 100	Always
<input type="checkbox"/> Ldd	Open Loop Detect Deviation	10 F or 6 C	Always
<input type="checkbox"/> rP	Ramp Action	<input type="checkbox"/> oFF	Always
<input type="checkbox"/> rSc	Ramp Scale	<input type="checkbox"/> P7in	Always
<input type="checkbox"/> rrt	Ramp Rate	<input type="checkbox"/> 1	Always
<input type="checkbox"/> LSP	Low Set Point	-1999 F or -1128 C	Always
<input type="checkbox"/> hSP	High Set Point	9999 F or 5537 C	Always
<input type="checkbox"/> CSp	Closed Loop Set Point	75.0 F or 24.0 C	Always
<input type="checkbox"/> ids	Idle Set Point	75.0 F or 24.0 C	Always
<input type="checkbox"/> SPLo	Set Point Open Limit Low	<input type="checkbox"/> -100	Always
<input type="checkbox"/> SPhi	Set Point Open Limit High	<input type="checkbox"/> 100	Always
<input type="checkbox"/> oSP	Open Loop Set Point	<input type="checkbox"/> 00	Always

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Setup Page

<input type="checkbox"/> CP7	Control Mode	<input type="checkbox"/> Auto	Always
<input type="checkbox"/> 2 Loop	Instance 2 - Control Loop		If 9th digit of model number is C or J
<input type="checkbox"/> hR9	Heat Algorithm	<input type="checkbox"/> Pid	Always
<input type="checkbox"/> cR9	Cool Algorithm	<input type="checkbox"/> OFF	Always
<input type="checkbox"/> cCr	Cool Output Curve	<input type="checkbox"/> OFF	If cool algorithm is set to PID.
<input type="checkbox"/> hPb	Heat Proportional Band	25.0 F or 14.0 C	If heat algorithm is set to PID.
<input type="checkbox"/> hhY	Heat Hysteresis	3.0 F or 2.0 C	If heat algorithm is set to ON/OFF.
<input type="checkbox"/> cPb	Cool Proportional Band	25.0 F or 14.0 C	If cool algorithm is set to PID.
<input type="checkbox"/> chY	Cool Hysteresis	3.0 F or 2.0 C	If cool algorithm is set to ON/OFF.
<input type="checkbox"/> tI	Time Integral	<input type="checkbox"/> 180	If heat or cool algorithm is set to PID.
<input type="checkbox"/> tD	Time Derivative	<input type="checkbox"/> 0	If heat or cool algorithm is set to PID.
<input type="checkbox"/> dB	Dead Band	<input type="checkbox"/> 0	If heat or cool algorithm is set to PID.
<input type="checkbox"/> tTUn	TRU-TUNE+ Enable	<input type="checkbox"/> no	Always
<input type="checkbox"/> tBnd	TRU-TUNE+ Band	<input type="checkbox"/> 0	Always
<input type="checkbox"/> tGn	TRU-TUNE+ Gain	<input type="checkbox"/> 3	Always
<input type="checkbox"/> AutSP	Autotune Set Point	<input type="checkbox"/> 90	Always
<input type="checkbox"/> tR9r	Autotune Aggressiveness	<input type="checkbox"/> Crte	Always
<input type="checkbox"/> PdL	Peltier Delay	<input type="checkbox"/> 00	Always
<input type="checkbox"/> UFR	User Failure Action	<input type="checkbox"/> USER	Always
<input type="checkbox"/> FRIL	Input Error Failure	<input type="checkbox"/> USER	Always
<input type="checkbox"/> P7Rn	Fixed Power	<input type="checkbox"/> 00	Always
<input type="checkbox"/> LdE	Open Loop Detect Enable	<input type="checkbox"/> no	Always
<input type="checkbox"/> LdE	Open Loop Detect Time	<input type="checkbox"/> 100	Always
<input type="checkbox"/> Ldd	Open Loop Detect Deviation	10 F or 6 C	Always
<input type="checkbox"/> rP	Ramp Action	<input type="checkbox"/> OFF	Always
<input type="checkbox"/> rSc	Ramp Scale	<input type="checkbox"/> 07.0	Always
<input type="checkbox"/> rRt	Ramp Rate	<input type="checkbox"/> 1	Always
<input type="checkbox"/> LSP	Low Set Point	-1999 F or -1128 C	Always
<input type="checkbox"/> hSP	High Set Point	9999 F or 5537 C	Always
<input type="checkbox"/> cSP	Closed Loop Set Point	75.0 F or 24.0 C	Always
<input type="checkbox"/> .dS	Idle Set Point	75.0 F or 24.0 C	Always
<input type="checkbox"/> SPLo	Set Point Open Limit Low	<input type="checkbox"/> -100	Always
<input type="checkbox"/> SPhi	Set Point Open Limit High	<input type="checkbox"/> 100	Always
<input type="checkbox"/> oSP	Open Loop Set Point	<input type="checkbox"/> 00	Always
<input type="checkbox"/> CP7	Control Mode	<input type="checkbox"/> Auto	Always

Output Menu - Setup Page		Always	
1 oEPt		Instance 1 - Output	
Fn	Output Function (output digital)	HERL	If 6th digit of part number is C, E, or K.
Fi	Output Function Instance	1	If 6th digit of part number is C, E, or K.
oLt	Output Control	Ftb	If 6th digit of part number is C, E, or K AND output function is heat or cool.
otb	Output Time Base	1 or 20	If 6th digit of part number is C, E, or K AND output control is fixed time base.
oLo	Output Low Power Scale	0	If 6th digit of part number is C, E, or K.
oHi	Output High Power Scale	100	If 6th digit of part number is C, E, or K.
otY	Output Type (output process)	uolE	If 6th digit of part number is F.
Fn	Output Function	HERL	If 6th digit of part number is F.
rSr	Retransmit Source	Ri	If 6th digit of part number is F AND output function is retransmit.
Fi	Output Function Instance	1	If 6th digit of part number is F.
SLo	Scale Low	0	If 6th digit of part number is F.
SHi	Scale High	10	If 6th digit of part number is F.
rLo	Range Low	0 F or -18 C	If 6th digit of part number is F.
rHi	Range High	9999 F or 5537 C	If 6th digit of part number is F.
oLR	Calibration Offset	0	If 6th digit of part number is F.
2 oEPt		Instance 2 - Output	
Fn	Output Function (output digital)	RLPn	If 7th digit of model number is C, H, J or K.
Fi	Output Function Instance	1	Always (Limit is default if 4th digit of model number is L or D).
oLt	Output Control	Ftb	If output function is not limit.
otb	Output Time Base	1 or 20	If output function is heat or cool.
oLo	Output Low Power Scale	0	If output control is fixed time base.
oHi	Output High Power Scale	100	Always
3 oEPt		Instance 3 - Output	
Fn	Output Function (output digital)	HERL	Always
Fi	Output Function Instance	1	If 10th digit of part number is C, E, F, or K.
oLt	Output Control	Ftb	If 10th digit of part number is C, E, or K.
otb	Output Time Base	1 or 20	If 10th digit of part number is C, E or K AND output function is heat or cool.
oLo	Output Low Power Scale	0	If 10th digit of part number is C, E or K AND output control is fixed time base.
oHi	Output High Power Scale	100	If 10th digit of part number is C, E, or K.
otY	Output Type (output process)	uolE	If 10th digit of part number is F.
Fn	Output Function	HERL	If 10th digit of part number is F.
rSr	Retransmit Source	Ri	If 10th digit of part number is F AND output function is retransmit.

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Setup Page

<input type="checkbox"/> F _i	Output Function Instance	<input type="checkbox"/> I
<input type="checkbox"/> SLo	Scale Low	<input type="checkbox"/> 0
<input type="checkbox"/> Sh _i	Scale High	<input type="checkbox"/> 10
<input type="checkbox"/> rLo	Range Low	0 F or -18 C
<input type="checkbox"/> rh _i	Range High	9999 F or 5537 C
<input type="checkbox"/> oLR	Calibration Offset	<input type="checkbox"/> 0
<input type="checkbox"/> 4 <input type="checkbox"/> oLPE	Instance 4 - Output	
<input type="checkbox"/> Fn	Output Function (output digital)	<input type="checkbox"/> OFF
<input type="checkbox"/> F _i	Output Function Instance	<input type="checkbox"/> I
<input type="checkbox"/> oLE	Output Control	<input type="checkbox"/> Ftb
<input type="checkbox"/> otb	Output Time Base	1 or 20
<input type="checkbox"/> oLo	Output Low Power Scale	<input type="checkbox"/> 0
<input type="checkbox"/> oh _i	Output High Power Scale	<input type="checkbox"/> 100

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

<input type="checkbox"/> ALP ₁ <input type="checkbox"/> SEE	Alarm Menu - Setup Page	
<input type="checkbox"/> 1 <input type="checkbox"/> ALP ₁	Instance 1 - Alarm	
<input type="checkbox"/> ALY	Alarm Type	<input type="checkbox"/> OFF
<input type="checkbox"/> SrR	Alarm Source	<input type="checkbox"/> R _i
<input type="checkbox"/> ,SR	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"/> AL9	Alarm Logic	<input type="checkbox"/> ALL
<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 _i	Alarm High Set Point	300.0 F or 150.0 C
<input type="checkbox"/> ALR	Alarm Latching	<input type="checkbox"/> nLRE
<input type="checkbox"/> AbL	Alarm Blocking	<input type="checkbox"/> OFF
<input type="checkbox"/> RS _i	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"/> RCLr	Alarm Clear Request	<input type="checkbox"/> CLR
<input type="checkbox"/> RS _{ir}	Alarm Silence Request	<input type="checkbox"/> SIL
<input type="checkbox"/> RSE	Alarm State	Read Only
<input type="checkbox"/> 2 <input type="checkbox"/> ALP ₁	Instance 2 - Alarm	
<input type="checkbox"/> ALY	Alarm Type	<input type="checkbox"/> OFF

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

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Setup Page

<input type="checkbox"/> <i>SrA</i>	Alarm Source	<input type="checkbox"/> <i>R</i>
<input type="checkbox"/> <i>,SA</i>	Alarm Source Instance	<input type="checkbox"/> <i>I</i>
<input type="checkbox"/> <i>Loop</i>	Alarm Control Loop	<input type="checkbox"/> <i>I</i>
<input type="checkbox"/> <i>RhY</i>	Alarm Hysteresis	<input type="checkbox"/> <i>I</i>
<input type="checkbox"/> <i>RL9</i>	Alarm Logic	<input type="checkbox"/> <i>RLC</i>
<input type="checkbox"/> <i>RSd</i>	Alarm Sides	<input checked="" type="checkbox"/> <i>both</i>
<input type="checkbox"/> <i>ALo</i>	Alarm Low Set Point	32.0 F or 0.0 C
<input type="checkbox"/> <i>RhI</i>	Alarm High Set Point	300.0 F or 150.0 C
<input type="checkbox"/> <i>RLR</i>	Alarm Latching	<input checked="" type="checkbox"/> <i>nLRE</i>
<input type="checkbox"/> <i>AbL</i>	Alarm Blocking	<input type="checkbox"/> <i>oFF</i>
<input type="checkbox"/> <i>RSI</i>	Alarm Silencing	<input type="checkbox"/> <i>oFF</i>
<input checked="" type="checkbox"/> <i>RdSP</i>	Alarm Display	<input checked="" type="checkbox"/> <i>on</i>
<input type="checkbox"/> <i>RdL</i>	Alarm Delay Time	<input type="checkbox"/> <i>0</i>
<input checked="" type="checkbox"/> <i>RLCr</i>	Alarm Clear Request	<input type="checkbox"/> <i>CLr</i>
<input checked="" type="checkbox"/> <i>RSir</i>	Alarm Silence Request	<input type="checkbox"/> <i>SIL</i>
<input type="checkbox"/> <i>RSE</i>	Alarm State	Read Only
<input checked="" type="checkbox"/> <i>3</i> <i>ALP?</i>	Instance 3 - Alarm	
<input type="checkbox"/> <i>REY</i>	Alarm Type	<input type="checkbox"/> <i>oFF</i>
<input type="checkbox"/> <i>SrA</i>	Alarm Source	<input type="checkbox"/> <i>R</i>
<input type="checkbox"/> <i>,SA</i>	Alarm Source Instance	<input type="checkbox"/> <i>I</i>
<input type="checkbox"/> <i>Loop</i>	Alarm Control Loop	<input type="checkbox"/> <i>I</i>
<input type="checkbox"/> <i>RhY</i>	Alarm Hysteresis	<input type="checkbox"/> <i>I</i>
<input type="checkbox"/> <i>RL9</i>	Alarm Logic	<input type="checkbox"/> <i>RLC</i>
<input type="checkbox"/> <i>RSd</i>	Alarm Sides	<input checked="" type="checkbox"/> <i>both</i>
<input type="checkbox"/> <i>ALo</i>	Alarm Low Set Point	32.0 F or 0.0 C
<input type="checkbox"/> <i>RhI</i>	Alarm High Set Point	300.0 F or 150.0 C
<input type="checkbox"/> <i>RLR</i>	Alarm Latching	<input checked="" type="checkbox"/> <i>nLRE</i>
<input type="checkbox"/> <i>AbL</i>	Alarm Blocking	<input type="checkbox"/> <i>oFF</i>
<input type="checkbox"/> <i>RSI</i>	Alarm Silencing	<input type="checkbox"/> <i>oFF</i>
<input checked="" type="checkbox"/> <i>RdSP</i>	Alarm Display	<input checked="" type="checkbox"/> <i>on</i>
<input type="checkbox"/> <i>RdL</i>	Alarm Delay Time	<input type="checkbox"/> <i>0</i>
<input checked="" type="checkbox"/> <i>RLCr</i>	Alarm Clear Request	<input type="checkbox"/> <i>CLr</i>
<input checked="" type="checkbox"/> <i>RSir</i>	Alarm Silence Request	<input type="checkbox"/> <i>SIL</i>
<input type="checkbox"/> <i>RSE</i>	Alarm State	Read Only
<input checked="" type="checkbox"/> <i>4</i> <i>ALP?</i>	Instance 4 - Alarm	

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

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Setup Page

<input type="checkbox"/> RLY	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"/> RLo	Alarm Low Set Point	32.0 F or 0.0 C
<input type="checkbox"/> Rh1	Alarm High Set Point	300.0 F or 150.0 C
<input type="checkbox"/> RLA	Alarm Latching	Non-Latching
<input type="checkbox"/> RbL	Alarm Blocking	<input type="checkbox"/> oFF
<input type="checkbox"/> RS1	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"/> RS1r	Alarm Silence Request	<input type="checkbox"/> S1L
<input type="checkbox"/> RSE	Alarm State	Read Only

Always
<i>If alarm type is process or deviation.</i>
<i>If alarm type is process or deviation.</i>
<i>If 9th digit of part number is C or J.</i>
<i>If alarm type is process or deviation.</i>
<i>If alarm type is process or deviation.</i>
<i>If alarm type is process or deviation AND alarm sides is low or both.</i>
<i>If alarm type is process or deviation AND alarm sides is high or both.</i>
<i>If alarm type is process or deviation.</i>
<i>If alarm type is process or deviation.</i>
<i>If alarm type is process or deviation.</i>
<i>If alarm type is process or deviation.</i>
<i>If alarm is active.</i>
<i>If alarm is active AND silencing is on.</i>
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"/> CSC	Current Scaling	<input type="checkbox"/> 500
<input type="checkbox"/> CoFS	Heater Current Offset	<input type="checkbox"/> 00
<input type="checkbox"/> CS1	Current Output Source Instance	<input type="checkbox"/> 9

<i>If 9th digit of part number is T.</i>
Always

<input type="checkbox"/> MAE <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"/> S1E	Source Instance E	<input type="checkbox"/> 1
<input type="checkbox"/> SLo	Scale Low	<input type="checkbox"/> 00
<input type="checkbox"/> Sh1	Scale High	<input type="checkbox"/> 10
<input type="checkbox"/> rLo	Range Low	<input type="checkbox"/> 00
<input type="checkbox"/> rH1	Range High	<input type="checkbox"/> 10
<input type="checkbox"/> F1L	Filter	<input type="checkbox"/> 00

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

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

FUN SEE		Function Key Menu - Setup Page		If 3rd digit of part number is 6, 8, 9 or 4.	
Instance 1 - Function Key (not PM3)				Always	
I	Fn	LEu	Active Level	h,9h	
	Fn	Fn	Action Function	nonE	
	Fi	Fi	Function Instance	0	
Instance 2 - Function Key (not PM6)				If 3rd digit of part number is 8, 9 or 4.	
	Fn	LEu	Active Level	h,9h	
	Fn	Fn	Action Function	nonE	
	Fi	Fi	Function Instance	0	

GLBL SEE		Global Menu - Setup Page		Always	
C.F	Display Units	F		Always	
ACLf	AC Line Frequency	60		Always	
rtYP	Ramping Type	E		If 4th digit of part number is B, E, R or N.	
PtYP	Profile Type	SEPE		If 4th digit of part number is B, E, R or N.	
9SE	Guaranteed Soak Enable	OFF		If 4th digit of part number is B, E, R or N.	
95d1	Guaranteed Soak Deviation 1	10.0 F or 6.0 C		If 4th digit of part number is B, E, R or N.	
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.	

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Setup Page

<input type="checkbox"/> S_A	Source Instance A	<input type="checkbox"/> 1
<input type="checkbox"/> S_B	Source Instance B	<input type="checkbox"/> 1
<input type="checkbox"/> P_{oE}	Power Off Time	<input type="checkbox"/> 0
<input type="checkbox"/> S_{uTb}	Synchronized Variable Time Base	<input type="checkbox"/> 0
<input type="checkbox"/> C_{LEd}	Communications LED Action	<input checked="" type="checkbox"/> both
<input type="checkbox"/> Z_{onE}	Zone	<input type="checkbox"/> on
<input type="checkbox"/> C_{hRn}	Channel	<input type="checkbox"/> on
<input type="checkbox"/> d_{PcS}	Display Pairs	<input type="checkbox"/> 2
<input type="checkbox"/> d_t	Display Time	<input type="checkbox"/> 0
<input type="checkbox"/> U_{SrS}	User Settings Save	<input checked="" type="checkbox"/> nonE
<input type="checkbox"/> U_{SrR}	User Settings Restore	<input checked="" type="checkbox"/> 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

<input type="checkbox"/> C_{oM} <input type="checkbox"/> S_{EE}	Communications Menu - Setup Page	
<input type="checkbox"/> 1 <input type="checkbox"/> C_{oM}	Instance 1 - Communication	
	Standard Bus and Modbus RTU Model	
<input type="checkbox"/> P_{CoL}	Protocol	Modbus or Standard Bus
<input type="checkbox"/> A_{dS}	Standard Bus Address	<input type="checkbox"/> 1
<input type="checkbox"/> A_{dPn}	Modbus Address	<input type="checkbox"/> 1
<input type="checkbox"/> b_{RUd}	Baud Rate	<input checked="" type="checkbox"/> 9600
<input type="checkbox"/> P_{Rr}	Parity	<input checked="" type="checkbox"/> nonE
<input type="checkbox"/> C_{_F}	Display Units	<input type="checkbox"/> F
<input type="checkbox"/> P_{nHL}	Modbus Word Order	<input checked="" type="checkbox"/> LoH
<input type="checkbox"/> P_{nRP}	Data Map	1 or 2
<input type="checkbox"/> n_{US}	Non-Volatile Save	<input checked="" type="checkbox"/> YES
<input type="checkbox"/> 2 <input type="checkbox"/> C_{oM}	Instance 2 - Communication	
	Modbus RTU Model	
<input type="checkbox"/> A_{dPn}	Modbus Address	<input type="checkbox"/> 1
<input type="checkbox"/> b_{RUd}	Baud Rate	<input checked="" type="checkbox"/> 9600
<input type="checkbox"/> P_{Rr}	Parity	<input checked="" type="checkbox"/> nonE
<input type="checkbox"/> P_{nHL}	Modbus Word Order	<input checked="" type="checkbox"/> LoH
<input type="checkbox"/> C_{_F}	Display Units	<input type="checkbox"/> F
<input type="checkbox"/> P_{nRP}	Data Map	1 or 2
<input type="checkbox"/> n_{US}	Non-Volatile Save	<input checked="" type="checkbox"/> YES
	Ethernet Model	
<input type="checkbox"/> P_{nHL}	Modbus Word Order	<input checked="" type="checkbox"/> 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
If 8th digit of part number is 3.
Always

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Setup Page

<input type="checkbox"/> .P.P7	IP Address Mode	<input type="checkbox"/> dHCP	Always
<input type="checkbox"/> .PF1	IP Fixed Address Part 1	<input type="checkbox"/> 169	Always
<input type="checkbox"/> .PF2	IP Fixed Address Part 2	<input type="checkbox"/> 254	Always
<input type="checkbox"/> .PF3	IP Fixed Address Part 3	<input type="checkbox"/> 1	Always
<input type="checkbox"/> .PF4	IP Fixed Address Part 4	<input type="checkbox"/> 1	Always
<input type="checkbox"/> .P.S1	IP Fixed Subnet Part 1	<input type="checkbox"/> 255	Always
<input type="checkbox"/> .P.S2	IP Fixed Subnet Part 2	<input type="checkbox"/> 255	Always
<input type="checkbox"/> .P.S3	IP Fixed Subnet Part 3	<input type="checkbox"/> 0	Always
<input type="checkbox"/> .P.S4	IP Fixed Subnet Part 4	<input type="checkbox"/> 0	Always
<input type="checkbox"/> .P.G1	IP Fixed Gateway Part 1	<input type="checkbox"/> 0	Always
<input type="checkbox"/> .P.G2	IP Fixed Gateway Part 2	<input type="checkbox"/> 0	Always
<input type="checkbox"/> .P.G3	IP Fixed Gateway Part 3	<input type="checkbox"/> 0	Always
<input type="checkbox"/> .P.G4	IP Fixed Gateway Part 4	<input type="checkbox"/> 0	Always
<input type="checkbox"/> P7bE	Modbus TCP Enable	<input type="checkbox"/> YES	Always
<input type="checkbox"/> E.PE	EtherNet/IP Enable	<input type="checkbox"/> YES	Always
<input type="checkbox"/> R.o.n.b	Implicit Output Assembly Size	<input type="checkbox"/> 20	If EtherNet/IP Enable is set to yes.
<input type="checkbox"/> R.i.n.b	Implicit Input Assembly Size	<input type="checkbox"/> 20	If EtherNet/IP Enable is set to yes.
<input type="checkbox"/> C.F	Display Units	<input type="checkbox"/> F	Always
<input type="checkbox"/> P7RP	Data Map	1 or 2	Always
<input type="checkbox"/> n.U.S	Non-volatile Save	<input type="checkbox"/> YES	Always
DeviceNet Model			If 8th digit of part number 5.
<input type="checkbox"/> R.d.d	DeviceNet Node Address	<input type="checkbox"/> 63	Always
<input type="checkbox"/> b.R.U.d	Baud Rate DeviceNet	<input type="checkbox"/> 125	Always
<input type="checkbox"/> F.C.E	DeviceNet Quick Connect Enable	<input type="checkbox"/> no	Always
<input type="checkbox"/> R.o.n.b	Implicit Output Assembly Size	<input type="checkbox"/> 20	Always
<input type="checkbox"/> R.i.n.b	Implicit Input Assembly Size	<input type="checkbox"/> 20	Always
Profibus Model			If 8th digit of part number 6.
<input type="checkbox"/> P.R.d.d	Profibus Node Address	<input type="checkbox"/> 126	Always
<input type="checkbox"/> R.L.o.c	Profibus Address Lock	<input type="checkbox"/> no	Always
<input type="checkbox"/> S.t.R.t	Profibus Status User	Read Only	Always
Real Time Clock Menu - Setup Page			If 4th digit of part number is B or E.
<input type="checkbox"/> r.t.c			Always
<input type="checkbox"/> S.E.E			Always
<input type="checkbox"/> h.o.u.r	Hours		Always
<input type="checkbox"/> P7.i.n	Minutes		Always
<input type="checkbox"/> d.o.b.u	Day of Week		Always

Parameter	Parameter Name	Default	User Value	Instance
CUSE FCEY	Custom Menu - Factory Page			
<input type="text" value="1"/> CUSE	Instance 1 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	ACPU	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="2"/> CUSE	Instance 2 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	ACSP	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="3"/> CUSE	Instance 3 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	CPN	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="4"/> CUSE	Instance 4 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	hPR	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="5"/> CUSE	Instance 5 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	CPR	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="6"/> CUSE	Instance 6 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	AUTO	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="7"/> CUSE	Instance 7 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	idle	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="8"/> CUSE	Instance 8 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	PSES	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="9"/> CUSE	Instance 9 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	PAR	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="10"/> CUSE	Instance 10 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	none	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="11"/> CUSE	Instance 11 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	none	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="12"/> CUSE	Instance 12 - Custom			
<input type="text" value="PAR"/> PAR	Parameter	none	<input type="text" value="id"/> <input type="text" value="1"/>	
<input type="text" value="13"/> CUSE	Instance 13 - Custom			

Appears if:
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

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

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
dRtE	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

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>

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 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>
Always if revision 13 or newer.
Always if revision 13 or newer.
Always
Always

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Factory Page

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<i>EL.10</i>	Electrical Input Offset	<i>0.000</i>	
<i>EL.15</i>	Electrical Input Slope	<i>1.000</i>	
<input type="text" value="3"/> <input type="text" value="CAL"/>	Instance 3 - Calibration		
<i>EL00</i>	Electrical Output Offset	<i>0.000</i>	
<i>EL05</i>	Electrical Output Slope	<i>1.000</i>	

<i>Always</i>
<i>Always</i>
<i>Always</i>
<i>If 10th digit of part number is F.</i>
<i>If 10th digit of part number is F.</i>

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Profile Page

Rev. D

PI Prof		Profile 1 Step Menu - Profiling Page	
1 PI		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	

PI Prof		Profile 1 Step Menu - Profiling Page	
2 PI		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	

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Profile Page

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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	
WJP	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	
WJP	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	

PI Prof		Profile 1 Step Menu - Profiling Page	
5		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	
WPI	Wait For Process Instance	1	
WPI1	Wait For Process 1	0 F or -18 C	
WE1	Wait Event 1	OFF	
WE2	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	

PI Prof		Profile 1 Step Menu - Profiling Page	
6		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	
WPI	Wait For Process Instance	1	
WPI1	Wait For Process 1	0 F or -18 C	
WE1	Wait Event 1	OFF	
WE2	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	

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PI Prof		Profile 1 Step Menu - Profiling Page	
7 PI		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	
WJP	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	

PI Prof		Profile 1 Step Menu - Profiling Page	
8 PI		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	
WJP	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	

PI Prof		Profile 1 Step Menu - Profiling Page	
9 PI		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	
WPI	Wait For Process Instance	1	
WPI1	Wait For Process 1	0 F or -18 C	
WE1	Wait Event 1	OFF	
WE2	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	

PI Prof		Profile 1 Step Menu - Profiling Page	
10 PI		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	
WPI	Wait For Process Instance	1	
WPI1	Wait For Process 1	0 F or -18 C	
WE1	Wait Event 1	OFF	
WE2	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	

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Profile Page

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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	
WJP	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	
WJP	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	

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Profile Page

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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	
WJP	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	
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	
WJP	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	
15 P2		Step 15 - Profile 2	
StYP	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	
StYP	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	
WJP	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	
WJP	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	
StYP	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	
StYP	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	

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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	
WJP	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	
WJP	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	

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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	
WJP	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	
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	
WJP	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	
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	
WJP	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	
WJP	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	

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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	
WJP	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	
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	
WJP	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	

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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	
WJP	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	
WJP	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	

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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	
WJP	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	
WJP	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	

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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	
WJP	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	
WJP	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	

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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	
WJP	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	
WJP	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	
WJP	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	
WJP	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	

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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	
WJP	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	
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	
WJP	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	

<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>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>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>
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<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>
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<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>
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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>
<i>If step type is time or soak.</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