



EZ-ZONE® PM PID or Integrated Controller Models

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

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

There are four Pages for programming in the product -

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

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

Operation Page - Used to change parameters for day to day activity such as control mode, monitor power and set points, change alarm set points and limit set points.

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

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

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

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

EZ-ZONE PM PID and Integrated - Operations Page

Rev. E

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

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	Digital Input/Output Menu - Operations Page		
d 10 oPEr			If 5th digit of model number is 2 or 4 OR if 8th digit is C or D.
5 d 10	Instance 5 - Digital I/O		If 5th digit of model number is 2 or 4.
do.5	Output State	Read Only	If direction is set as output.
E 1.5	Event Status	Read Only	If direction is set as input.
6 d 10	Instance 6 - Digital I/O		If 5th digit of model number is 2 or 4.
do.5	Output State	Read Only	If direction is set as output.
E 1.5	Event Status	Read Only	If direction is set as input.
7 d 10	Instance 7 - Digital I/O		If 8th digit of model number is C or D.
do.5	Output State	Read Only	If direction is set as output.
d 1.5	Input State	Read Only	If direction is set as input.
8 d 10	Instance 8 - Digital I/O		If 8th digit of model number is C or D.
do.5	Output State	Read Only	If direction is set as output.
d 1.5	Input State	Read Only	If direction is set as input.
9 d 10	Instance 9 - Digital I/O		If 8th digit of model number is C or D.
do.5	Output State	Read Only	If direction is set as output.
d 1.5	Input State	Read Only	If direction is set as input.
10 d 10	Instance 10 - Digital I/O		If 8th digit of model number is C or D.
do.5	Output State	Read Only	If direction is set as output.
d 1.5	Input State	Read Only	If direction is set as input.
11 d 10	Instance 11 - Digital I/O		If 8th digit of model number is C or D.
do.5	Output State	Read Only	If direction is set as output.
d 1.5	Input State	Read Only	If direction is set as input.
12 d 10	Instance 12 - Digital I/O		If 8th digit of model number is C or D.
do.5	Output State	Read Only	If direction is set as output.
d 1.5	Input State	Read Only	If direction is set as input.
L 1.7 oPEr	Limit Menu - Operations Page		If 4th digit of model number is L, M or D or 9th digit is L or M.
LLS	Low Limit Set Point	0.0 F or -18.0 C	If limit sides is low or both.
LhS	High Limit Set Point	0.0 F or -18.0 C	If limit sides is high or both.
LCr	Clear Limit	LCr	If limit is tripped.
LSt	Limit State	Read Only	Always

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OPn OPEr	Monitor Menu - Operations Page			
1 OPn	Instance 1 - Monitor			<i>If 4th digit of model number is C, R, J, B, E, N or S.</i>
C.P.A	Control Mode Active		Read Only	<i>Always</i>
h.P.r	Heat Power		Read Only	<i>Always</i>
C.P.r	Cool Power		Read Only	<i>Always</i>
C.SP	Closed-Loop Set Point		Read Only	<i>Always</i>
P.v.A	Process Value Active		Read Only	<i>Always</i>
2 OPn	Instance 2 - Monitor			<i>If 9th digit of model number is C or J.</i>
C.P.A	Control Mode Active		Read Only	<i>Always</i>
h.P.r	Heat Power		Read Only	<i>Always</i>
C.P.r	Cool Power		Read Only	<i>Always</i>
C.SP	Closed-Loop Set Point		Read Only	<i>Always</i>
P.v.A	Process Value Active		Read Only	<i>Always</i>
Loop OPEr	Control Loop Menu - Operations Page			<i>If 4th digit of model number is C, R, J, B, E, N or S.</i>
1 Loop	Instance 1 - Control Loop			<i>Submenu instance only appears if more than one instance.</i>
r.En	Remote Set Point Enable	no		<i>If 9th digit of model number is R or P</i>
C.P.n	Control Mode	Auto		<i>Always</i>
Aut.SP	Autotune Set Point	90.0		<i>Always</i>
Aut	Autotune	no		<i>Always</i>
C.SP	Set Point		75.0 F or 24.0 C	<i>Always</i>
id.S	Idle Set Point		75.0 F or 24.0 C	<i>Always</i>
h.P.b	Heat Proportional Band		25.0 F or 14.0 C	<i>Always</i>
h.h.Y	Heat Hysteresis		3.0 F or 2.0 C	<i>Always</i>
C.P.b	Cool Proportional Band		25.0 F or 14.0 C	<i>Always</i>
C.h.Y	Cool Hysteresis		3.0 F or 2.0 C	<i>Always</i>
t.i	Time Integral	180.0		<i>Always</i>
t.d	Time Derivative	0.0		<i>Always</i>
db	Dead Band	0.0		<i>Always</i>
o.SP	Manual Power	0.0		<i>Always</i>
2 Loop	Instance 2 - Control Loop			<i>If 9th digit of model number is C, J.</i>

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C.P7	Control Mode	Auto		Always
A.ESP	Autotune Set Point	90.0		Always
AUTE	Autotune	no		Always
C.SP	Set Point	75.0 F or 24.0 C		Always
i.d.S	Idle Set Point	75.0 F or 24.0 C		Always
h.Pb	Heat Proportional Band	25.0 F or 14.0 C		Always
h.h.Y	Heat Hysteresis	3.0 F or 2.0 C		Always
C.Pb	Cool Proportional Band	25.0 F or 14.0 C		Always
C.h.Y	Cool Hysteresis	3.0 F or 2.0 C		Always
t.i	Time Integral	180.0		Always
t.d	Time Derivative	0.0		Always
d.b	Dead Band	0.0		Always
o.SP	Manual Power	0.0		Always

ALP7 oPER	Alarm Menu - Operations Page			Always
1 ALP7	Instance 1 - Alarm			Always
A.Lo	Low Set Point	32.0 F or 0.0 C		Always
A.h.i	High Set Point	300.0 F or 150.0 C		Always
A.CLR	Clear Alarm	CLR		If alarm is active and alarm latching is set to latch.
A.Sil	Silence Alarm	Sil		If alarm is active and alarm silencing is on.
A.St	Alarm State	Read Only		Always
2 ALP7	Instance 2 - Alarm			Always
A.Lo	Low Set Point	32.0 F or 0.0 C		Always
A.h.i	High Set Point	300.0 F or 150.0 C		Always
A.CLR	Clear Alarm	CLR		If alarm is active and alarm latching is set to latch.
A.Sil	Silence Alarm	Sil		If alarm is active and alarm silencing is on.
A.St	Alarm State	Read Only		Always
3 ALP7	Instance 3 - Alarm			Always
A.Lo	Low Set Point	32.0 F or 0.0 C		Always
A.h.i	High Set Point	300.0 F or 150.0 C		Always
A.CLR	Clear Alarm	CLR		If alarm is active and alarm latching is set to latch.
A.Sil	Silence Alarm	Sil		If alarm is active and alarm silencing is on.

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ASt	Alarm State	Read Only	Always
4 ALP7	Instance 4 - Alarm		Always
ALo	Low Set Point	32.0 F or 0.0 C	Always
AHi	High Set Point	300.0 F or 150.0 C	Always
AClr	Clear Alarm	CLr	If alarm is active and alarm latching is set to latch.
ASil	Silence Alarm	SIL	If alarm is active and alarm silencing is on.
ASt	Alarm State	Read Only	Always

CURr oPEr	Current Menu - Operations Page		If 9th digit of model number is a T.
ChI	High Set Point	50	Always
AHi	Low Set Point	0	Always
CUR	Load Current RMS	Read Only	Always
CEr	Current Error	Read Only	Always
hEr	Heater Error	Read Only	Always

tP7r oPEr	Timer Menu - Operations Page		If 4th digit of PN is a T.
SuA	Source Value A	Read Only	Always
SuC	Source Value C	Read Only	Always
SuD	Source Value D	Read Only	Always
PSP1	Produced Set Point 1	Read Only	Always
tEo1	Timer Event Output 1	Read Only	Always
tEo2	Timer Event Output 2	Read Only	Always
tEo3	Timer Event Output 3	Read Only	Always
t.r	Time Remaining	Read Only	Always
r.bS	Ready Band State	Read Only	Always
hoUr	Hours	0	Always
P7in	Minutes	0	Always
SEC	Seconds	10	Always
CLSP	Closed Loop Timer Set Point	75	Always

P7ARt oPEr	Math Menu - Operations Page		If 9th digit of PN is a C or J AND 12th digit of PN is a C.
SuA	Source Value A	Read Only	Always
SuB	Source Value B	Read Only	Always

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SuE	Source Value E	Read Only	Always
oFSt	Offset	0	Always
o.u	Output Value	Read Only	Always
SoF oPEr	Special Output Function Menu - Operations Page		<i>If 12th digit of model number is C.</i>
SuA	Source Value 1	Read Only	Always
Sub	Source Value 2	Read Only	Always
o.u1	Output Value 1	Read Only	Always
o.u2	Output Value 2	Read Only	Always
PStE oPEr	Profile Status Menu - Operations Page		<i>If 4th digit of model number is R, B, E or N.</i>
PStE	Profile Start	Read/Write	Always
PACr	Profile Action Request	Read/Write	Always
StP	Active Step	Read Only	<i>Profile is active.</i>
StYP	Active Step Type	Read Only	<i>Profile is active.</i>
t.951	Target Set Point Loop 1	Read/Write	<i>Profile is active.</i>
t.952	Target Set Point Loop 2	Read/Write	<i>If 9th digit of model number C or J and profile is active.</i>
ACSP	Produced Set Point 1	Read Only	<i>Profile is active.</i>
PSP2	Produced Set Point 2	Read Only	<i>If 9th digit of model number C or J and profile is active.</i>
hoUr	Hours	Read/Write	<i>Profile is active.</i>
Mn	Minutes	Read/Write	<i>Profile is active.</i>
SEC	Seconds	Read/Write	<i>Profile is active.</i>
Ent1	Event Output 1	Read/Write	Always
Ent2	Event Output 2	Read/Write	Always
JC	Jump Count Remaining	Read Only	Always

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Parameter	Parameter Name	Default	User Value	Appears if:
[R] [SEt]	Analog Input Menu - Setup Page			Always
[1] [R]	Instance 1 - Analog Input			Submenu instance only appears if more than one instance.
[SEt]	Sensor Type	[tC]		If 4th digit of model number is C, R, or B.
[L in]	TC Linearization	[J]		If Sensor Type is set to Thermocouple
[r.t.L]	RTD Leads	[2]		If Sensor Type is set to RTD
[Unit]	Units	[P r o]		If Sensor Type is set to Process
[S.Lo]	Scale Low	[0.0]		If Sensor Type is set to Process
[S.h.i]	Scale High	[20.0]		If Sensor Type is set to Process
[r.Lo]	Range Low	[0.0]		If Sensor Type is set to Process
[r.h.i]	Range High	[9999]		If Sensor Type is set to Process
[P.EE]	Process Error Enable	[oFF]		If Sensor Type is set to Process
[P.E.L]	Process Error Low Value	[0.0]		If Sensor Type is set to Process
[t.C]	Thermistor Curve	[R]		If 4th digit of model number is J, N, or E.
[r.r]	Resistance Range	[40]		If 4th digit of model number is J, N, or E.
[F.i.L]	Filter	[0.5]		Always
[.e.r]	Input Error Latching	[oFF]		Always
[d.E.C]	Display Precision	[0]		Always
[S.b.A]	Sensor Backup Enable	[oFF]		Always
[.c.A]	Calibration Offset	[0.0]		Always
[R in]	Analog Input Value		Read Only	Always
[.e.r]	Input Error		Read Only	Always
[2] [R]	Instance 2 - Analog Input			If 9th digit of model number is C, J, R, P, L or M
[SEt]	Sensor Type	[tC]		If 9th digit of model number is C, R, or L.
[L in]	TC Linearization	[J]		If Sensor Type is set to Thermocouple
[r.t.L]	RTD Leads	[2]		If Sensor Type is set to RTD
[Unit]	Units	[P r o]		If Sensor Type is set to Process
[S.Lo]	Scale Low	[0.0]		If Sensor Type is set to Process
[S.h.i]	Scale High	[20.0]		If Sensor Type is set to Process
[r.Lo]	Range Low	[0.0]		If Sensor Type is set to Process
[r.h.i]	Range High	[9999]		If Sensor Type is set to Process
[P.EE]	Process Error Enable	[oFF]		If Sensor Type is set to Process
[P.E.L]	Process Error Low Value	[0.0]		If Sensor Type is set to Process
[t.C]	Thermistor Curve	[R]		If 9th digit of model number is J, P or M.
[r.r]	Resistance Range	[40]		If 9th digit of model number is J, P or M.
[F.i.L]	Filter	[0.5]		Always

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.Er	Input Error Latching	oFF		Always
dEC	Display Precision	0		Always
.CR	Calibration Offset	0.0		Always
R in	Analog Input Value	Read Only		Always
.Er	Input Error	Read Only		Always

Lnc	SEt	Setup Page - Linearization Menu			
1	Lnc	Instance 1 - Linearization			<i>If 4th digit of model number is C, R, J, B, E, or N</i>
<i>Submenu instance only appears if more than one instance.</i>					
Fn	Function	oFF		Always	
Unit	Units	5rc		Always	
.P.1	Input Point 1	0.0		Always	
oP.1	Output Point 1	0.0		Always	
.P.2	Input Point 2	1.0		Always	
oP.2	Output Point 2	1.0		Always	
.P.3	Input Point 3	2.0		Always	
oP.3	Output Point 3	2.0		Always	
.P.4	Input Point 4	3.0		Always	
oP.4	Output Point 4	3.0		Always	
.P.5	Input Point 5	4.0		Always	
oP.5	Output Point 5	4.0		Always	
.P.6	Input Point 6	5.0		Always	
oP.6	Output Point 6	5.0		Always	
.P.7	Input Point 7	6.0		Always	
oP.7	Output Point 7	6.0		Always	
.P.8	Input Point 8	7.0		Always	
oP.8	Output Point 8	7.0		Always	
.P.9	Input Point 9	8.0		Always	
oP.9	Output Point 9	8.0		Always	
.P.10	Input Point 10	9.0		Always	
oP.10	Output Point 10	9.0		Always	
2	Lnc	Instance 2 - Linearization			<i>If 9th digit of model number is C, J, R or P</i>
Fn	Function	oFF		Always	
Unit	Units	5rc		Always	
.P.1	Input Point 1	0.0		Always	
oP.1	Output Point 1	0.0		Always	
.P.2	Input Point 2	1.0		Always	

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oP.2	Output Point 2	1.0	Always
.P.3	Input Point 3	2.0	Always
oP.3	Output Point 3	2.0	Always
.P.4	Input Point 4	3.0	Always
oP.4	Output Point 4	3.0	Always
.P.5	Input Point 5	4.0	Always
oP.5	Output Point 5	4.0	Always
.P.6	Input Point 6	5.0	Always
oP.6	Output Point 6	5.0	Always
.P.7	Input Point 7	6.0	Always
oP.7	Output Point 7	6.0	Always
.P.8	Input Point 8	7.0	Always
oP.8	Output Point 8	7.0	Always
.P.9	Input Point 9	8.0	Always
oP.9	Output Point 9	8.0	Always
.P.10	Input Point 10	9.0	Always
oP.10	Output Point 10	9.0	Always

Pu	SEt	Setup Page - Process Value Menu		If 4th digit of model number is C, R, J, B, E, or N.
1	Pu	Instance 1 - Process Value		Submenu instance only appears if more than one instance.
Fn	Function	oFF	Always	
P.unT	Pressure Units	PS.	If function is set pressure to altitude.	
A.unT	Altitude Units	HfE	If function is set pressure to altitude.	
b.Pc	Barometric Pressure	14.7	If function is set to Wet Bulb/Dry Bulb	
F.iL	Filter	0.0	Always	
2	Pu	Instance 2 - Process Value		If 9th digit of model number is C, J, R or P
Fn	Function	oFF	Always	
P.unT	Pressure Units	PS.	If function is set pressure to altitude.	
A.unT	Altitude Units	HfE	If function is set pressure to altitude.	
b.Pc	Barometric Pressure	14.7	If function is set to Wet Bulb/Dry Bulb	
F.iL	Filter	0.0	Always	

d.io	SEt	Digital Input/Output Menu - Setup Page		If 5th digit of model number is 2 or 4 OR if 8th digit of model number is C or D
5	d.io	Instance 5 - Digital I/O		If 5th digit of model number is 2 or 4
d.iC	Direction	oEPE	Always	
Fn	Output Function	oFF	If Digital I/O Direction is set to output.	
F.i	Output Function Instance	1	If Digital I/O Direction is set to output.	

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o.t.t	Time Base Type	F.t.b	
o.t.b	Fixed Time Base	.1.0	
o.l.o	Low Power Scale	.0	
o.h.i	High Power Scale	.100	
L.E.u	Active Level	h.9h	
.F.n	Action Function	.nonE	
.F.i	Function Instance	.0	
6	d.i.o	Instance 6 - Digital I/O	
d.i.r	Direction	o.t.P.t	
.F.n	Output Function	.o.F.F	
.F.i	Output Function Instance	.1	
o.t.t	Time Base Type	F.t.b	
o.t.b	Fixed Time Base	.1.0	
o.l.o	Low Power Scale	.0	
o.h.i	High Power Scale	.100	
L.E.u	Active Level	h.9h	
.F.n	Action Function	.nonE	
.F.i	Function Instance	.0	
7	d.i.o	Instance 7 - Digital I/O	
d.i.r	Direction	o.t.P.t	
.F.n	Output Function	.o.F.F	
.F.i	Output Function Instance	.1	
o.t.t	Time Base Type	F.t.b	
o.t.b	Fixed Time Base	.1.0	
o.l.o	Low Power Scale	.0	
o.h.i	High Power Scale	.100	
L.E.u	Active Level	h.9h	
.F.n	Action Function	.nonE	
.F.i	Function Instance	.0	
8	d.i.o	Instance 8 - Digital I/O	
d.i.r	Direction	o.t.P.t	
.F.n	Output Function	.o.F.F	
.F.i	Output Function Instance	.1	
o.t.t	Time Base Type	F.t.b	
o.t.b	Fixed Time Base	.1.0	
o.l.o	Low Power Scale	.0	

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 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 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.

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o.h.i	High Power Scale	100	
LEu	Active Level	h.9h	
Fn	Action Function	nonE	
Fi	Function Instance	0	
9	d.io	Instance 9 - Digital I/O	
dir	Direction	oEPt	
Fn	Output Function	oFF	
Fi	Output Function Instance	1	
o.t.t	Time Base Type	Ftb	
o.tb	Fixed Time Base	10	
o.Lo	Low Power Scale	0	
o.h.i	High Power Scale	100	
LEu	Active Level	h.9h	
Fn	Action Function	nonE	
Fi	Function Instance	0	
10	d.io	Instance 10 - Digital I/O	
dir	Direction	oEPt	
Fn	Output Function	oFF	
Fi	Output Function Instance	1	
o.t.t	Time Base Type	Ftb	
o.tb	Fixed Time Base	10	
o.Lo	Low Power Scale	0	
o.h.i	High Power Scale	100	
LEu	Active Level	h.9h	
Fn	Action Function	nonE	
Fi	Function Instance	0	
11	d.io	Instance 11 - Digital I/O	
dir	Direction	oEPt	
Fn	Output Function	oFF	
Fi	Output Function Instance	1	
o.t.t	Time Base Type	Ftb	
o.tb	Fixed Time Base	10	
o.Lo	Low Power Scale	0	
o.h.i	High Power Scale	100	
LEu	Active Level	h.9h	
Fn	Action Function	nonE	

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 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 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 input.

If Digital I/O Direction is set to input.

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F1	Function Instance	0	
12	Instance 12 - Digital I/O		
dir	Direction	oEPt	If Digital I/O Direction is set to input.
Fn	Output Function	oFF	If 8th digit of model number is C or D
F1	Output Function Instance	1	Always
oEt	Time Base Type	FEb	If Digital I/O Direction is set to output.
oEb	Fixed Time Base	10	If Digital I/O Direction is set to output.
oLo	Low Power Scale	0	If Digital I/O Direction is set to output.
oHi	High Power Scale	100	If Digital I/O Direction is set to output.
LEu	Active Level	h.9h	If Digital I/O Direction is set to input.
Fn	Action Function	nonE	If Digital I/O Direction is set to input.
F1	Function Instance	0	If Digital I/O Direction is set to input.

L107	SEt	Limit Menu - Setup Page	
LSd	Sides	both	If 4th digit of model number is L, M or D or 9th digit is an L or M
LhY	Hysteresis	3.0 F or 2.0 C	If limit sides is low or both.
SPLh	Maximum Set Point	9999	If limit sides is high or both.
SPLL	Minimum Set Point	-9999	If limit is tripped.
LhS	High Limit Set Point	0.0 F or -18.0 C	Always
LLS	Low Limit Set Point	0.0 F or -18.0 C	Always
SFnA	Source Function A	nonE	Always
S1A	Source Instance A	1	Always
LCL	Clear Limit	appears if active	Always
LSE	Limit Status	Read Only	Always
Lit	Integrate with System	no	If 4th digit of model number is a C, R, J, B, E, N or S AND 9th digit is an L or M

Loop	SEt	Control Loop Menu - Setup Page	
1	Instance 1 - Control Loop		
hA9	Heat Algorithm	P1d	If 4th digit of part number is C, R, B, J, N, E, or S.
CA9	Cool Algorithm	oFF	Submenu instance only appears if more than one instance.
LCL	Cool Output Curve	oFF	Always
hPb	Heat Proportional Band	25.0 F or 14.0 C	Always
hHY	On/Off Heat Hysteresis	3.0 F or 2.0 C	If cool algorithm is set to PID.
CPb	Cool Proportional Band	25.0 F or 14.0 C	If heat algorithm is set to PID.
CHY	On/Off Cool Hysteresis	3.0 F or 2.0 C	If heat algorithm is set to ON/OFF.
tI	Time Integral	180	If cool algorithm is set to PID.
tD	Time Derivative	0	If heat or cool algorithm is set to ON/OFF.
			If heat or cool algorithm is set to PID.

EZ-ZONE PM PID and Integrated - Setup Page

db	Dead Band	0	
t.tUn	TRU-TUNE+ Enable	no	If heat or cool algorithm is set to PID. Always
t.bnd	TRU-TUNE+ Band	0	Always
t.gn	TRU-TUNE+ Gain	3	Always
AutSP	Autotune Set Point	90	Always
t.Agr	Autotune Aggressiveness	Cr it	Always
PdL	Peltier Delay	00	Always
r.En	Remote Set Point Enable	no	If 9th digit of model number is R or P.
r.tY	Remote Set Point Type	Aut o	If 9th digit of model number is R or P.
UFR	Auto-to-Manual Power	USE r	Always
FR iL	Input Error Power	USE r	Always
P7An	Fixed Power	00	Always
LdE	Open Loop Detect Enable	no	Always
Ldt	Open Loop Detect Time	100	Always
Ldd	Open Loop Detect Deviation	10 F or 6 C	Always
rP	Ramp Action	oFF	Always
r.SC	Ramp Scale	P7 in	Always
r.r.t	Ramp Rate	1	Always
LSP	Minimum Set Point	-1999 F or -1128 C	Always
h.SP	Maximum Set Point	9999 F or 5537 C	Always
LSP	Set Point	75.0 F or 24.0 C	Always
i.d.S	Idle Set Point	75.0 F or 24.0 C	Always
SPLo	Minimum Manual Power	-100	Always
SPhi	Maximum Manual Power	100	Always
o.SP	Manual Power	00	Always
CP7	Control Mode	Aut o	Always
2 Loop	Instance 2 - Control Loop		If 9th digit of model number is C or J
h.A9	Heat Algorithm	P id	Always
C.A9	Cool Algorithm	oFF	Always
C.Cr	Cool Output Curve	oFF	If cool algorithm is set to PID.
h.Pb	Heat Proportional Band	25.0 F or 14.0 C	If heat algorithm is set to PID.
h.hY	On/Off Heat Hysteresis	3.0 F or 2.0 C	If heat algorithm is set to ON/OFF.
C.Pb	Cool Proportional Band	25.0 F or 14.0 C	If cool algorithm is set to PID.
C.hY	On/Off Cool Hysteresis	3.0 F or 2.0 C	If cool algorithm is set to ON/OFF.
t.i	Time Integral	180	If heat or cool algorithm is set to PID.
t.d	Time Derivative	0	If heat or cool algorithm is set to PID.

EZ-ZONE PM PID and Integrated - Setup Page

db	Dead Band	0	
t.tUn	TRU-TUNE+ Enable	no	If heat or cool algorithm is set to PID. Always
t.bnd	TRU-TUNE+ Band	0	Always
t.gn	TRU-TUNE+ Gain	3	Always
A.tSP	Autotune Set Point	90	Always
t.Agr	Autotune Aggressiveness	Cr.it	Always
P.dL	Peltier Delay	0.0	Always
U.FA	Auto-to-Manual Power	USEr	Always
F.A.L	Input Error Power	USEr	Always
P.FAn	Fixed Power	0.0	Always
L.dE	Open Loop Detect Enable	no	Always
L.dE	Open Loop Detect Time	100	Always
L.dd	Open Loop Detect Deviation	10 F or 6 C	Always
r.P	Ramp Action	oFF	Always
r.SL	Ramp Scale	P9.in	Always
r.rE	Ramp Rate	1	Always
L.SP	Minimum Set Point	-1999 F or -1128 C	Always
h.SP	Maximum Set Point	9999 F or 5537 C	Always
L.SP	Set Point	75.0 F or 24.0 C	Always
.idS	Idle Set Point	75.0 F or 24.0 C	Always
S.PLo	Minimum Manual Power	-100	Always
S.Ph.i	Maximum Manual Power	100	Always
o.SP	Manual Power	0.0	Always
L.PP	Control Mode	RUEo	Always

o.tPE	SEt	Output Menu - Setup Page		
1	o.tPE	Instance 1 - Output		Always - Submenu instance only appears if more than one instance.
F.n	Output Function (output digital)	hERE		If 6th digit of part number is C, E, F or K.
F.i	Output Function Instance	1		If 6th digit of part number is C, E, or K.
o.tE	Time Base Type	FEb		If 6th digit of part number is C, E, or K.
o.tb	Fixed Time Base	1 or 20		If 6th digit of part number is C, E, or K AND output function is heat or cool.
o.Lo	Low Power Scale	0		If 6th digit of part number is C, E, or K AND output control is fixed time base.
o.h.i	High Power Scale	100		If 6th digit of part number is C, E, or K.
o.tY	Output Type (output process)	o.tE		If 6th digit of part number is F.
F.n	Output Function	hERE		If 6th digit of part number is F.
r.Sr	Retransmit Source	R.i		If 6th digit of part number is F AND output function is retransmit.

EZ-ZONE PM PID and Integrated - Setup Page

F ₁	Output Function Instance	1
S _{Lo}	Scale Low	0
S _h	Scale High	10
r _{Lo}	Range Low	0 F or -18 C
r _h	Range High	9999 F or 5537 C
o _{CR}	Calibration Offset	0
2 o _{EPt}	Instance 2 - Output	
F _n	Output Function (output digital)	ALP7
F ₁	Output Function Instance	1
o _{Et}	Time Base Type	Ftb
o _{tb}	Fixed Time Base	1 or 20
o _{Lo}	Low Power Scale	0
o _h	High Power Scale	100
3 o _{EPt}	Instance 3 - Output	
F _n	Output Function (output digital)	HEARL
F ₁	Output Function Instance	1
o _{Et}	Time Base Type	Ftb
o _{tb}	Fixed Time Base	1 or 20
o _{Lo}	Low Power Scale	0
o _h	High Power Scale	100
o _{ty}	Output Type (output process)	uolt
F _n	Output Function	HEARL
r _{sr}	Retransmit Source	R ₁
F ₁	Output Function Instance	1
S _{Lo}	Scale Low	0
S _h	Scale High	10
r _{Lo}	Range Low	0 F or -18 C
r _h	Range High	9999 F or 5537 C
o _{CR}	Calibration Offset	0
4 o _{EPt}	Instance 4 - Output	
F _n	Output Function (output digital)	oFF
F ₁	Output Function Instance	1
o _{Et}	Time Base Type	Ftb
o _{tb}	Fixed Time Base	1 or 20
o _{Lo}	Low Power Scale	0
o _h	High Power Scale	100

If 6th digit of part number is F.
If 6th digit of part number is F.
If 6th digit of part number is F.
If 6th digit of part number is F.
If 6th digit of part number is F.
If 6th digit of part number is F.
If 7th digit of model number is C, H, J or K.
Always (Limit is default if 4th digit of model number is L or D.
If output function is not limit.
If output function is heat or cool.
If output control is fixed time base.
Always
Always
If 10th digit of part number is C, E, F, or K.
If 10th digit of part number is C, E, or K.
If 10th digit of part number is C, E, or K.
If 10th digit of part number is C, E or K AND output function is heat or cool.
If 10th digit of part number is C, E or K AND output control is fixed time base.
If 10th digit of part number is C, E, or K.
If 10th digit of part number is C, E, or K.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 10th digit of part number is F AND output function is retransmit.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 10th digit of part number is F.
If 11th digit of model number is C, H, J or K.
Limit is default if 9th digit of model number is L or M.
If output function is not limit.
If output function is heat or cool.
If output control is fixed time base.
Always
Always

EZ-ZONE PM PID and Integrated - Setup Page

Alarm Menu - Setup Page		Always
ALM SET		
1 ALM	Instance 1 - Alarm	
RTY	Type	oFF
Src	Alarm Source	R
.S	Alarm Source Instance	1
Loop	Alarm Control Loop	1
RHY	Hysteresis	1
RLG	Logic	ALC
RSd	Sides	both
RLo	Low Set Point	32.0 F or 0.0 C
RH	High Set Point	300.0 F or 150.0 C
RLA	Latching	nLAt
RbL	Blocking	oFF
RS	Silencing	oFF
AdSP	Alarm Display	on
AdL	Delay Time	0
ACLR	Clear Alarm	CLR
ASir	Silence Alarm	SIL
RSt	Alarm State	Read Only
2 ALM	Instance 2 - Alarm	
RTY	Type	oFF
Src	Alarm Source	R
.S	Alarm Source Instance	1
Loop	Alarm Control Loop	1
RHY	Hysteresis	1
RLG	Logic	ALC
RSd	Sides	both
RLo	Low Set Point	32.0 F or 0.0 C
RH	High Set Point	300.0 F or 150.0 C
RLA	Latching	nLAt
RbL	Blocking	oFF
RS	Silencing	oFF
AdSP	Alarm Display	on
AdL	Delay Time	0
ACLR	Clear Alarm	CLR
		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 is active.</i>
		<i>If alarm is active AND silencing is on.</i>
		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>

EZ-ZONE PM PID and Integrated - Setup Page

AS _{ir}	Silence Alarm	S _{IL}	
AS _E	Alarm State	Read Only	
3 ALP ₇	Instance 3 - Alarm		
R _{ty}	Type	oFF	
S _{rA}	Alarm Source	R _i	
.S _A	Alarm Source Instance	1	
L _{oP}	Alarm Control Loop	1	
R _{hY}	Hysteresis	1	
R _{L9}	Logic	R _{LC}	
R _{Sd}	Sides	both	
R _{L0}	Low Set Point	32.0 F or 0.0 C	
R _{h1}	High Set Point	300.0 F or 150.0 C	
R _{LR}	Latching	nLR _E	
R _{bL}	Blocking	oFF	
R _{S1}	Silencing	oFF	
R _{dSP}	Alarm Display	on	
R _{dL}	Delay Time	0	
R _{CLr}	Clear Alarm	CL _r	
AS _{ir}	Silence Alarm	S _{IL}	
AS _E	Alarm State	Read Only	
4 ALP ₇	Instance 4 - Alarm		
R _{ty}	Type	oFF	
S _{rA}	Alarm Source	R _i	
.S _A	Alarm Source Instance	1	
L _{oP}	Alarm Control Loop	1	
R _{hY}	Hysteresis	1	
R _{L9}	Logic	R _{LC}	
R _{Sd}	Sides	both	
R _{L0}	Low Set Point	32.0 F or 0.0 C	
R _{h1}	High Set Point	300.0 F or 150.0 C	
R _{LR}	Latching	nLR _E	
R _{bL}	Blocking	oFF	
R _{S1}	Silencing	oFF	
R _{dSP}	Alarm Display	on	
R _{dL}	Delay Time	0	
R _{CLr}	Clear Alarm	CL _r	

If alarm is active AND silencing is on.

Always

Always

Always

If alarm type is process or deviation.

If alarm type is process or deviation.

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

If alarm type is process or deviation.

If alarm type is process or deviation.

If alarm type is process or deviation.

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

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

If alarm type is process or deviation.

If alarm is active.

If alarm is active AND silencing is on.

Always

Always

If alarm type is process or deviation.

If alarm type is process or deviation.

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

If alarm type is process or deviation.

If alarm type is process or deviation.

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

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

If alarm type is process or deviation.

If alarm is active.

EZ-ZONE PM PID and Integrated - Setup Page

RSir	Silence Alarm	SIL	
RSE	Alarm State	Read Only	
<i>If alarm is active AND silencing is on.</i>			
Always			

CURr	SEt	Current Menu - Setup Page		
CSd	Sides	oFF		<i>If 9th digit of part number is T.</i>
CUR	Indicate Reading	no		Always
Cdt	Detection Threshold	9		Always
CSC	Input Scaling	500		Always
CoFS	Heater Offset	00		Always
CSI	Monitored Output	9		Always

EP7r	SEt	Timer Menu - Setup Page		
EEn	Timer Enable	YES		<i>If 4th digit of part number is T.</i>
EST	Timer Start Method	.P7d		Always
SFnA	Source Function A	FUN		Always
SIA	Source Instance A	8		Always
SFnC	Source Function C	Pu		Always
SIC	Source Instance C	1		Always
SFnD	Source Function D	FUN		Always
SID	Source Instance D	7		Always
Er	Time Remaining	Read Only		Always
rdS	Ready Band State	Read Only		Always
rdY	Ready Band	5000		Always
EFor	Time Format	EP7S		Always
hoUr	Hours	0		Always
P7in	Minutes	0		Always
SEC	Seconds	5		Always
CLSP	Closed Loop Timer Set Point	75		Always
St	Signal Time	1		Always

P78E	SEt	Math Menu - Setup Page		
Fn	Function	oFF		<i>If 9th digit of part number is C or J AND 12th digit C.</i>
SFnE	Source Function E	nonE		Always
SIE	Source Instance E	1		<i>Function is set to deviation scale or process scale.</i>
SLo	Scale Low	00		<i>Function is set to deviation scale or process scale.</i>
Shi	Scale High	10		<i>Function is set to deviation scale or process scale.</i>
rLo	Range Low	00		<i>Function is set to deviation scale or process scale.</i>

EZ-ZONE PM PID and Integrated - Setup Page

<input type="text" value="r.h.i"/>	Range High	<input type="text" value="1.0"/>		<i>Function is set to deviation scale or process scale.</i>
<input type="text" value="F.i.L"/>	Filter	<input type="text" value="0.0"/>		<i>Function is set to deviation scale or process scale.</i>
<input type="text" value="SoF"/> <input type="text" value="SEt"/>	Special Output Function Menu - Setup Page			<i>If 12th digit of part number is C.</i>
<input type="text" value="Fn"/>	Function	<input type="text" value="oFF"/>		<i>Always</i>
<input type="text" value="SFnA"/>	Source Function A	<input type="text" value="nonE"/>		<i>If function is set to motorized valve or compressor control.</i>
<input type="text" value="S.i.A"/>	Source Instance A	<input type="text" value="1"/>		<i>If function is set to motorized valve or compressor control.</i>
<input type="text" value="SFnB"/>	Source Function B	<input type="text" value="nonE"/>		<i>If function is set to motorized valve or compressor control.</i>
<input type="text" value="S.i.B"/>	Source Instance B	<input type="text" value="1"/>		<i>If function is set to motorized valve or compressor control.</i>
<input type="text" value="PonA"/>	Power On Level 1	<input type="text" value="0"/>		<i>If function is set to compressor control.</i>
<input type="text" value="PofA"/>	Power Off Level 1	<input type="text" value="5"/>		<i>If function is set to compressor control.</i>
<input type="text" value="PonB"/>	Power On Level 2	<input type="text" value="0"/>		<i>If function is set to compressor control.</i>
<input type="text" value="PofB"/>	Power Off Level 2	<input type="text" value="5"/>		<i>If function is set to compressor control.</i>
<input type="text" value="ont"/>	Minimum On Time	<input type="text" value="20"/>		<i>If function is set to compressor control.</i>
<input type="text" value="ofT"/>	Minimum Off Time	<input type="text" value="20"/>		<i>If function is set to compressor control.</i>
<input type="text" value="t.t"/>	Valve Travel Time	<input type="text" value="5"/>		<i>If function is set to motorized valve control.</i>
<input type="text" value="db"/>	Dead Band	<input type="text" value="20"/>		<i>If function is set to motorized valve control.</i>
<input type="text" value="t.dL"/>	Time Delay	<input type="text" value="20"/>		<i>If function is set to compressor control.</i>
<input type="text" value="FU0"/> <input type="text" value="SEt"/>	Function Key Menu - Setup Page			<i>If 3rd digit of part number is 6, 8, 9 or 4.</i>
<input type="text" value="1"/> <input type="text" value="FU0"/>	Instance 1 - Function Key (not PM3)			<i>Always</i>
<input type="text" value="LEu"/>	Active Level	<input type="text" value="h.9h"/>		<i>Always</i>
<input type="text" value="Fn"/>	Action Function	<input type="text" value="nonE"/>		<i>Always</i>
<input type="text" value="F.i"/>	Function Instance	<input type="text" value="0"/>		<i>If action function selected.</i>
<input type="text" value="2"/> <input type="text" value="FU0"/>	Instance 2 - Function Key (not PM6)			<i>If 3rd digit of part number is 8, 9 or 4.</i>
<input type="text" value="LEu"/>	Active Level	<input type="text" value="h.9h"/>		<i>Always</i>
<input type="text" value="Fn"/>	Action Function	<input type="text" value="nonE"/>		<i>Always</i>
<input type="text" value="F.i"/>	Function Instance	<input type="text" value="0"/>		<i>If action function selected.</i>
<input type="text" value="9LbL"/> <input type="text" value="SEt"/>	Global Menu - Setup Page			<i>Always</i>
<input type="text" value="C.F"/>	Display Units	<input type="text" value="F"/>		<i>Always</i>
<input type="text" value="ACLF"/>	AC Line Frequency	<input type="text" value="60"/>		<i>Always</i>
<input type="text" value="r.tYP"/>	Ramping Type	<input type="text" value="t.1"/>		<i>If 4th digit of part number is B, E, R or N.</i>
<input type="text" value="P.tYP"/>	Profile Type	<input type="text" value="SEPE"/>		<i>If 4th digit of part number is B, E, R or N.</i>
<input type="text" value="9SE"/>	Guaranteed Soak Enable	<input type="text" value="oFF"/>		<i>If 4th digit of part number is B, E, R or N.</i>
<input type="text" value="9Sd1"/>	Guaranteed Soak Deviation 1	10.0 F or 6.0 C		<i>If 4th digit of part number is B, E, R or N.</i>
<input type="text" value="9Sd2"/>	Guaranteed Soak Deviation 2	10.0 F or 6.0 C		<i>If 4th digit of part number is B, E, R or N AND digit 9 is C or J.</i>

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S.i.A	Source Instance A	1	
S.i.B	Source Instance B	1	
Pot.	Power Off Time	0	If 4th digit of part number is B, E, R or N AND digit 9 is C or J.
S.v.t.b	Synchronized Variable Time Base	0	If 4th digit of part number is B, E, R or N AND digit 9 is C or J.
C.LE.d	Communications LED Action	both	If 4th digit of part number is B, or E.
Zone	Zone	on	If 4th digit of part number is B, E, R, or T AND firmware 14 or newer.
Ch.A.n	Channel	on	Always
d.P.r.S	Display Pairs	2	Always
d.t.	Display Time	0	Always
U.S.r.S	Save Settings As	none	Always
U.S.r.r	Restore Settings From	none	Always

Comm	SET	Communications Menu - Setup Page		
1	Comm	Instance 1 - Communication		Always
Standard Bus and Modbus RTU Model				Always
P.C.o.L	Protocol	Modbus or Standard Bus		If 8th digit of part number 1 or D for Modbus RTU.
Ad.S	Standard Bus Address	1		If 8th digit of part number 1 or D.
Ad.P.n	Modbus Address	1		Always
b.R.U.d	Baud Rate	9600		If 8th digit of part number 1 or D AND protocol is set to Modbus.
P.A.r	Parity	none		If 8th digit of part number 1 or D AND protocol is set to Modbus.
C.F	Display Units	F		If 8th digit of part number 1 or D.
P.n.h.L	Modbus Word Order	Lo.h.		If 8th digit of part number 1 or D AND protocol is set to Modbus.
P.n.A.P	Data Map	1 or 2		Always
n.V.S	Non-Volatile Save	YES		Always
2	Comm	Instance 2 - Communication		If 8th digit of part number is 2, 3, 5, or 6.
Modbus RTU Model				If 8th digit of part number is 2.
Ad.P.n	Modbus Address	1		Always
b.R.U.d	Baud Rate	9600		Always
P.A.r	Parity	none		Always
P.n.h.L	Modbus Word Order	Lo.h.		Always
C.F	Display Units	F		Always
P.n.A.P	Data Map	1 or 2		Always
n.V.S	Non-Volatile Save	YES		Always
Ethernet Model				If 8th digit of part number is 3.
P.n.h.L	Modbus Word Order	Lo.h.		Always
.I.P.n	IP Address Mode	DHCP		Always

EZ-ZONE PM PID and Integrated - Setup Page

.PF1	IP Fixed Address Part 1	169	Always
.PF2	IP Fixed Address Part 2	254	Always
.PF3	IP Fixed Address Part 3	1	Always
.PF4	IP Fixed Address Part 4	1	Always
.PS1	IP Fixed Subnet Part 1	255	Always
.PS2	IP Fixed Subnet Part 2	255	Always
.PS3	IP Fixed Subnet Part 3	0	Always
.PS4	IP Fixed Subnet Part 4	0	Always
.PG1	IP Fixed Gateway Part 1	0	Always
.PG2	IP Fixed Gateway Part 2	0	Always
.PG3	IP Fixed Gateway Part 3	0	Always
.PG4	IP Fixed Gateway Part 4	0	Always
PTbE	Modbus TCP Enable	YES	Always
E.PE	EtherNet/IP Enable	YES	Always
Ro.nb	Implicit Output Assembly Size	20	<i>If EtherNet/IP Enable is set to yes.</i>
R.i.nb	Implicit Input Assembly Size	20	<i>If EtherNet/IP Enable is set to yes.</i>
C.F	Display Units	F	Always
PTAP	Data Map	1 or 2	Always
nUS	Non-volatile Save	YES	Always
DeviceNet Model			<i>If 8th digit of part number 5.</i>
Rdd	DeviceNet Node Address	63	Always
bRUD	Baud Rate DeviceNet	125	Always
FCE	DeviceNet Quick Connect Enable	no	Always
Ro.nb	Implicit Output Assembly Size	20	Always
R.i.nb	Implicit Input Assembly Size	20	Always
Profibus Model			<i>If 8th digit of part number 6.</i>
PRdd	Profibus Node Address	126	Always
RLoc	Profibus Address Lock	no	Always
SEAE	Profibus Status User	Read Only	Always
rEC SEE	Real Time Clock Menu - Setup Page		<i>If 4th digit of part number is B or E.</i>
hoUr	Hours	no default	Always
PT.in	Minutes	no default	Always
dobU	Day of Week	no default	Always

EZ-ZONE PM PID and Integrated - Factory Page

Rev. E

Parameter	Parameter Name	Default	User Value	Appears if:
[CUST] [FCT4]	Custom Menu - Factory Page			Always
[] [1] [CUST]	Instance 1 - Custom			Always
[PR]	Parameter	[ACPU]		
[.id]	Instance ID	[] [!]		<i>If more than one instance of Parameter</i>
[] [2] [CUST]	Instance 2 - Custom			Always
[PR]	Parameter	[ACSP]		
[.id]	Instance ID	[] [!]		<i>If more than one instance of Parameter</i>
[] [3] [CUST]	Instance 3 - Custom			Always
[PR]	Parameter	Model dependent		
[.id]	Instance ID	[] [!]		<i>If more than one instance of Parameter</i>
[] [4] [CUST]	Instance 4 - Custom			Always
[PR]	Parameter	Model dependent		
[.id]	Instance ID	[] [!]		<i>If more than one instance of Parameter</i>
[] [5] [CUST]	Instance 5 - Custom			Always
[PR]	Parameter	Model dependent		
[.id]	Instance ID	[] [!]		<i>If more than one instance of Parameter</i>
[] [6] [CUST]	Instance 6 - Custom			Always
[PR]	Parameter	Model dependent		
[.id]	Instance ID	[] [!]		<i>If more than one instance of Parameter</i>
[] [7] [CUST]	Instance 7 - Custom			Always
[PR]	Parameter	Model dependent		
[.id]	Instance ID	[] [!]		<i>If more than one instance of Parameter</i>
[] [8] [CUST]	Instance 8 - Custom			Always
[PR]	Parameter	Model dependent		
[.id]	Instance ID	[] [!]		<i>If more than one instance of Parameter</i>
[] [9] [CUST]	Instance 9 - Custom			Always

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Rev. E

PRr	Parameter	Model dependent		
.id	Instance ID	!		<i>If more than one instance of Parameter</i>
10 CUsE	Instance 10 - Custom			Always
PRr	Parameter	Model dependent		
.id	Instance ID	!		<i>If more than one instance of Parameter</i>
11 CUsE	Instance 11 - Custom			Always
PRr	Parameter	Model dependent		
.id	Instance ID	!		<i>If more than one instance of Parameter</i>
12 CUsE	Instance 12 - Custom			Always
PRr	Parameter	Model dependent		
.id	Instance ID	!		<i>If more than one instance of Parameter</i>
13 CUsE	Instance 13 - Custom			Always
PRr	Parameter	nonE		
.id	Instance ID	!		<i>If more than one instance of Parameter</i>
14 CUsE	Instance 14 - Custom			Always
PRr	Parameter	nonE		
.id	Instance ID	!		<i>If more than one instance of Parameter</i>
15 CUsE	Instance 15 - Custom			Always
PRr	Parameter	nonE		
.id	Instance ID	!		<i>If more than one instance of Parameter</i>
16 CUsE	Instance 16 - Custom			Always
PRr	Parameter	nonE		
.id	Instance ID	!		<i>If more than one instance of Parameter</i>
17 CUsE	Instance 17 - Custom			Always
PRr	Parameter	nonE		
.id	Instance ID	!		<i>If more than one instance of Parameter</i>
18 CUsE	Instance 18 - Custom			Always
PRr	Parameter	nonE		

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Rev. E

.id	Instance ID	1			<i>If more than one instance of Parameter</i>	
19	CUST	Instance 19 - Custom				Always
PAR	Parameter	nonE				
.id	Instance ID	1			<i>If more than one instance of Parameter</i>	
20	CUST	Instance 20 - Custom				Always
PAR	Parameter	nonE				
.id	Instance ID	1			<i>If more than one instance of Parameter</i>	

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

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

d.19	FACTY	Diagnostics Menu - Factory Page				Always
Pn	Part Number			Read Only	Always	
rEu	Software Revision			Read Only	Always	
SbLd	Software Build			Read Only	Always	
Sn	Serial Number			Read Only	Always	

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Rev. E

DATE	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 FCTY	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
EL00	Electrical Output Offset	0.000
EL05	Electrical Output Slope	1.000
Pn	Part Number	FctY
Code	Public Key	4999
2 CAL	Instance 2 - Calibration	
P7U	Electrical Measurement	Read Only
EL.10	Electrical Input Offset	0.000
EL.15	Electrical Input Slope	1.000
3 CAL	Instance 3 - Calibration	
EL00	Electrical Output Offset	0.000
EL05	Electrical Output Slope	1.000

<i>If Password Enable is set off AND read lock is set greater than 3.</i>
Always
Always
Always
Always
<i>If 6th digit of part number is F.</i>
<i>If 6th digit of part number is F.</i>
<i>Always if revision 13 or newer.</i>
<i>Always if revision 13 or newer.</i>
<i>If 9th digit of part number is C, J, R, L or M.</i>
Always
Always
Always
<i>If 10th digit of part number is F.</i>
Always
Always

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Rev. E

PI Prof	Profile 1 Step Menu - Profiling Page		
1 PI	Step 1 - Profile 1		
STEP	Step Type	USEP	
T.SP1	Target Set Point Loop 1	0 F or -18 C	
T.SP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
Min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	00	
W.P.1	Wait For Process Instance	1	
W.P.1	Wait For Process 1	0 F or -18 C	
W.E.1	Wait Event 1	OFF	
W.E.2	Wait Event 2	OFF	
dow	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	
T.SP1	Target Set Point Loop 1	0 F or -18 C	
T.SP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
DOW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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PI Prof	Profile 1 Step Menu - Profiling Page		
3 PI	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	00	
LUP1	Wait For Process Instance	1	
LUP1	Wait For Process 1	0 F or -18 C	
LUE1	Wait Event 1	OFF	
LUE2	Wait Event 2	OFF	
dow	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		
4 PI	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	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP1	Wait For Process Instance	1	
LUP1	Wait For Process 1	0 F or -18 C	
LUE1	Wait Event 1	OFF	
LUE2	Wait Event 2	OFF	
dow	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		
5 PI	Step 5 - Profile 1		
STEP	Step Type	USEP	
TSP1	Target Set Point Loop 1	0 F or -18 C	
TSP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	00	
WPI	Wait For Process Instance	1	
WPI1	Wait For Process 1	0 F or -18 C	
WIE1	Wait Event 1	OFF	
WIE2	Wait Event 2	OFF	
dow	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 PI	Step 6 - Profile 1		
STEP	Step Type	USEP	
TSP1	Target Set Point Loop 1	0 F or -18 C	
TSP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
DOBW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	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	
T.SP1	Target Set Point Loop 1	0 F or -18 C	
T.SP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	00	
LWP1	Wait For Process Instance	1	
LWP1	Wait For Process 1	0 F or -18 C	
LWE1	Wait Event 1	OFF	
LWE2	Wait Event 2	OFF	
dow	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	
T.SP1	Target Set Point Loop 1	0 F or -18 C	
T.SP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
dow	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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PI Prof	Profile 1 Step Menu - Profiling Page		
9 PI	Step 9 - Profile 1		
STEP	Step Type	USEP	
T.SP1	Target Set Point Loop 1	0 F or -18 C	
T.SP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
Min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	00	
W.P.1	Wait For Process Instance	1	
W.P.1	Wait For Process 1	0 F or -18 C	
W.E.1	Wait Event 1	OFF	
W.E.2	Wait Event 2	OFF	
dow	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	
T.SP1	Target Set Point Loop 1	0 F or -18 C	
T.SP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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P2	PrOf	Profile 2 Step Menu - Profiling Page	
11	P2	Step 11 - Profile 2	
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
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	
12	P2	Step 12 - Profile 2	
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP1	Wait For Process Instance	1	
LUP1	Wait For Process 1	0 F or -18 C	
LUE1	Wait Event 1	OFF	
LUE2	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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P2 PrOf	Profile 2 Step Menu - Profiling Page		
13 P2	Step 13 - Profile 2		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	oFF	
WJE2	Wait Event 2	oFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P2 PrOf	Profile 2 Step Menu - Profiling Page		
14 P2	Step 14 - Profile 2		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
DOBW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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P2 PrOf	Profile 2 Step Menu - Profiling Page		
15 P2	Step 15 - Profile 2		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
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	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
DOBW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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P2 PrOf	Profile 2 Step Menu - Profiling Page		
17 P2	Step 17 - Profile 2		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
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		
18 P2	Step 18 - Profile 2		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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P2 PrOf	Profile 2 Step Menu - Profiling Page		
19 P2	Step 19 - Profile 2		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
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	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	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	00	
LUP1	Wait For Process Instance	1	
LUP1	Wait For Process 1	0 F or -18 C	
LUE1	Wait Event 1	OFF	
LUE2	Wait Event 2	OFF	
dow	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	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
DOBW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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P3 PrOf	Profile 3 Step Menu - Profiling Page		
23 P3	Step 23 - Profile 3		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	oFF	
WJE2	Wait Event 2	oFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P3 PrOf	Profile 3 Step Menu - Profiling Page		
24 P3	Step 24 - Profile 3		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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P3 PrOf	Profile 3 Step Menu - Profiling Page		
25 P3	Step 25 - Profile 3		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	oFF	
WJE2	Wait Event 2	oFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P3 PrOf	Profile 3 Step Menu - Profiling Page		
26 P3	Step 26 - Profile 3		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	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	
T.SP1	Target Set Point Loop 1	0 F or -18 C	
T.SP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	
Min	Minutes	0	
SEC	Seconds	0	
RATE	Rate	00	
LUP1	Wait For Process Instance	1	
LUP1	Wait For Process 1	0 F or -18 C	
LUE1	Wait Event 1	OFF	
LUE2	Wait Event 2	OFF	
dow	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	
T.SP1	Target Set Point Loop 1	0 F or -18 C	
T.SP2	Target Set Point Loop 2	0 F or -18 C	
hour	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP1	Wait For Process Instance	1	
LUP1	Wait For Process 1	0 F or -18 C	
LUE1	Wait Event 1	OFF	
LUE2	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		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	oFF	
WJE2	Wait Event 2	oFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P3 PrOf	Profile 3 Step Menu - Profiling Page		
30 P3	Step 30 - Profile 3		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
DOBW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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P4 PrOf	Profile 4 Step Menu - Profiling Page		
31 P4	Step 31 - Profile 4		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
WpI	Wait For Process Instance	1	
Wp1	Wait For Process 1	0 F or -18 C	
WvE1	Wait Event 1	oFF	
WvE2	Wait Event 2	oFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P4 PrOf	Profile 4 Step Menu - Profiling Page		
32 P4	Step 32 - Profile 4		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP1	Wait For Process Instance	1	
LUP1	Wait For Process 1	0 F or -18 C	
LUE1	Wait Event 1	OFF	
LUE2	Wait Event 2	OFF	
dobu	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		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	oFF	
WJE2	Wait Event 2	oFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P4 PrOf	Profile 4 Step Menu - Profiling Page		
34 P4	Step 34 - Profile 4		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
DOBW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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P4 PrOf	Profile 4 Step Menu - Profiling Page		
35 P4	Step 35 - Profile 4		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	oFF	
WJE2	Wait Event 2	oFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P4 PrOf	Profile 4 Step Menu - Profiling Page		
36 P4	Step 36 - Profile 4		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
DOBW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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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	00	
WUP1	Wait For Process Instance	1	
WUP1	Wait For Process 1	0 F or -18 C	
WUE1	Wait Event 1	OFF	
WUE2	Wait Event 2	OFF	
dow	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	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
dobw	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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P4 PrOf	Profile 4 Step Menu - Profiling Page		
39 P4	Step 39 - Profile 4		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	
Mn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	00	
WJP1	Wait For Process Instance	1	
WJP1	Wait For Process 1	0 F or -18 C	
WJE1	Wait Event 1	oFF	
WJE2	Wait Event 2	oFF	
doWd	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P4 PrOf	Profile 4 Step Menu - Profiling Page		
40 P4	Step 40 - Profile 4		
StYP	Step Type	USEP	
t.SP1	Target Set Point Loop 1	0 F or -18 C	
t.SP2	Target Set Point Loop 2	0 F or -18 C	
hoUr	Hours	0	

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P7.in	Minutes	0	
SEC	Seconds	0	
RATE	Rate	0.0	
LUP.1	Wait For Process Instance	1	
LUP.1	Wait For Process 1	0 F or -18 C	
LUE.1	Wait Event 1	OFF	
LUE.2	Wait Event 2	OFF	
dow	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USER	
Ent.1	Event 1	OFF	
Ent.2	Event 2	OFF	

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Rev. E

<i>If 4th digit of model number is R, B, N or E.</i>
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
<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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Rev. E

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

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Rev. E

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

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

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Rev. E

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

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

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Rev. E

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

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

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Rev. E

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

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

<i>If 4th digit of model number is R, B, N or E.</i>
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>
<i>If step type is End.</i>
Always
Always

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

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

<i>If 4th digit of model number is R, B, N or E.</i>
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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>
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EZ-ZONE PM PID and Integrated - Modbus Assembly

Rev. E

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

EZ-ZONE PM PID and Integrated - Modbus Assembly

Rev. E

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

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

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Rev. E

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

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

EZ-ZONE PM PID and Integrated - EtherNet/IP

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

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