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

EZ-ZONE PM Operations Page

Rev. D

Parameter	Parameter Name	Default	User Value	*Appears if:*
A1 oPEr	**Analog Input Menu - Operations Page**			*Always*
1 A1	**Instance 1 - Analog Input**			*Submenu instance only appear if more than one instance.*
AIn	Active Process Value	Read Only		*Always*
iEr	Input Error	Read Only		*Always*
iCA	Calibration Offset	0.0		*Always*
2 A1	**Instance 2 - Analog Input**			*If 9th digit of model number is C, J, R, P, M or L.*
AIn	Active Process Value	Read Only		*Always*
iEr	Input Error	Read Only		*Always*
iCA	Calibration Offset	0.0		*Always*

Lnr oPEr	**Linearization Menu - Operations Page**			*If 4th digit of model number is C, R, J, B, E, N or S.*
1 Lnr	**Instance 1 - Linearization**			*Submenu instance only appear if more than one instance.*
SuA	Source Value A	Read Only		*Always*
oFSt	Offset	0.0		*Always*
ou	Output Value	Read Only		*Always*
2 Lnr	**Instance 2 - Linearization**			*If analog input 2 is present.*
SuA	Source Value A	Read Only		*If 9th digit of model number is C, J, R or P.*
oFSt	Offset	0.0		*If 9th digit of model number is C, J, R or P.*
ou	Output Value	Read Only		*If 9th digit of model number is C, J, R or P.*

Pu oPEr	**Process Value Menu - Operations Page**			*If 4th digit of model number is C, R, J, B, E, N or S.*
1 Pu	**Instance 1 - Process Value**			*Submenu instance only appear if more than one instance.*
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**			*If 9th digit of model number is C, J, R or P.*
SuA	Source Value A	Read Only		*Always*
Sub	Source Value B	Read Only		*Always*

EZ-ZONE PM Operations Page

oFSt	Offset	0.0	*Always*
o.u	Output Value	Read Only	*Always*
d.io oPEr	**Digital Input/Output Menu - Operations Page**		*If 5th digit of model number is 2 or 4 OR if 8th digit is C or D.*
5 d.io	**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.i.5	Event Status	Read Only	*If direction is set as input.*
6 d.io	**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.i.5	Event Status	Read Only	*If direction is set as input.*
7 d.io	**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.i.5	Input State	Read Only	*If direction is set as input.*
8 d.io	**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.i.5	Input State	Read Only	*If direction is set as input.*
9 d.io	**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.i.5	Input State	Read Only	*If direction is set as input.*
10 d.io	**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.i.5	Input State	Read Only	*If direction is set as input.*
11 d.io	**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.i.5	Input State	Read Only	*If direction is set as input.*
12 d.io	**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.i.5	Input State	Read Only	*If direction is set as input.*
L.inP oPEr	**Limit Menu - Operations Page**		*If 4th digit of model number is L, M or D or 9th digit is L or M.*

EZ-ZONE PM Operations Page

LLS	Limit Low Set Point	0.0 F or -18.0 C		*If limit sides is low or both.*
LHS	Limit High Set Point	0.0 F or -18.0 C		*If limit sides is high or both.*
LCr	Limit Clear Request	Clr		*If limit is tripped.*
LSt	Limit State	Read Only		*Always*

Mon oPEr	**Monitor Menu - Operations Page**			*If 4th digit of model number is C, R, J, B, E, N or S.*
1 Mon	**Instance 1 - Monitor**			*Submenu instance only appear if more than one instance.*
CMA	Control Mode Active	Read Only		*Always*
hPr	Heat Power	Read Only		*Always*
CPr	Cool Power	Read Only		*Always*
CSP	Closed Loop Working SP	Read Only		*Always*
PvA	Process Value Active	Read Only		*Always*
2 Mon	**Instance 2 - Monitor**			*If 9th digit of model number is C or J.*
CMA	Control Mode Active	Read Only		*Always*
hPr	Heat Power	Read Only		*Always*
CPr	Cool Power	Read Only		*Always*
CSP	Closed Loop Working SP	Read Only		*Always*
PvA	Process Value Active	Read Only		*Always*

LooP oPEr	**Control Loop Menu - Operations Page**			*If 4th digit of model number is C, R, J, B, E, N or S.*
1 LooP	**Instance 1 - Control Loop**			*Submenu instance only appears if more than one instance.*
rEn	Remote Set Point Enable	no		*If 9th digit of model number is R or P*
CM	Control Mode	Auto		*Always*
AtSP	Autotune Set Point	90.0		*Always*
Aut	Autotune Request	no		*Always*
CSP	Closed Loop Set Point	75.0 F or 24.0 C		*Always*
idS	Idle Set Point	75.0 F or 24.0 C		*Always*
hPb	Heat Proportional Band	25.0 F or 14.0 C		*Always*
hHy	Heat Hysteresis	3.0 F or 2.0 C		*Always*
CPb	Cool Proportional Band	25.0 F or 14.0 C		*Always*

EZ-ZONE PM Operations Page

C.hy	Cool Hysteresis	3.0 F or 2.0 C		*Always*
t i	Time Integral	180.0		*Always*
td	Time Derivative	0.0		*Always*
db	Dead Band	0.0		*Always*
o.SP	Open Loop Set Point	0.0		*Always*
2 LooP	**Instance 2 - Control Loop**			*If 9th digit of model number is C, J.*
C.Pn	Control Mode	Auto		*Always*
A.tSP	Autotune Set Point	90.0		*Always*
AUt	Autotune Request	no		*Always*
C.SP	Closed Loop Set Point	75.0 F or 24.0 C		*Always*
id.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.hy	Heat Hysteresis	3.0 F or 2.0 C		*Always*
C.Pb	Cool Proportional Band	25.0 F or 14.0 C		*Always*
C.hy	Cool Hysteresis	3.0 F or 2.0 C		*Always*
t i	Time Integral	180.0		*Always*
td	Time Derivative	0.0		*Always*
db	Dead Band	0.0		*Always*
o.SP	Open Loop Set Point	0.0		*Always*

ALMn oPEr	**Alarm Menu - Operations Page**			*Always*
1 ALMn	**Instance 1 - Alarm**			*Always*
A.Lo	Alarm Low Set Point	32.0 F or 0.0 C		*Always*
A.h i	Alarm High Set Point	300.0 F or 150.0 C		*Always*
A.CLr	Alarm Clear Request	CLr		*If alarm is active and alarm latchiing is set to latch.*
A.S ir	Alarm Silence Request	S iL		*If alarm is active and alarm silencing is on.*
A.St	Alarm State	Read Only		*Always*
2 ALMn	**Instance 2 - Alarm**			*Always*
A.Lo	Alarm Low Set Point	32.0 F or 0.0 C		*Always*
A.h i	Alarm High Set Point	300.0 F or 150.0 C		*Always*

EZ-ZONE PM Operations Page

A.Clr	Alarm Clear Request	Clr		*If alarm is active and alarm latchiing is set to latch.*
A.Sir	Alarm Silence Request	Sil		*If alarm is active and alarm silencing is on.*
A.St	Alarm State	Read Only		*Always*
3 ALM	**Instance 3 - Alarm**			*Always*
A.Lo	Alarm Low Set Point	32.0 F or 0.0 C		*Always*
A.hi	Alarm High Set Point	300.0 F or 150.0 C		*Always*
A.Clr	Alarm Clear Request	Clr		*If alarm is active and alarm latchiing is set to latch.*
A.Sir	Alarm Silence Request	Sil		*If alarm is active and alarm silencing is on.*
A.St	Alarm State	Read Only		*Always*
4 ALM	**Instance 4 - Alarm**			*Always*
A.Lo	Alarm Low Set Point	32.0 F or 0.0 C		*Always*
A.hi	Alarm High Set Point	300.0 F or 150.0 C		*Always*
A.Clr	Alarm Clear Request	Clr		*If alarm is active and alarm latchiing is set to latch.*
A.Sir	Alarm Silence Request	Sil		*If alarm is active and alarm silencing is on.*
A.St	Alarm State	Read Only		*Always*

Curr oPEr	**Current Menu - Operations Page**			*If 9th digit of model number is a T.*
C.hi	Current High Set Point	50		*Always*
A.hi	Current Low Set Point	0		*Always*
A.Clr	Current Read	Read Only		*Always*
A.Sir	Current Error	Read Only		*Always*
A.St	Heater Error	Read Only		*Always*

MAt oPEr	**Math Menu - Operations Page**			*If 9th digit of PN is a C or J AND 12th digit of PN is a C.*
Su.A	Source Value A	Read Only		*Always*
Su.b	Source Value B	Read Only		*Always*
Su.E	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**			*If 12th digit of model number is C.*

EZ-ZONE PM Operations Page

SuA	Source Value 1	Read Only	*Always*
Sub	Source Value 2	Read Only	*Always*
ou 1	Output Value 1	Read Only	*Always*
ou2	Output Value 2	Read Only	*Always*

PStr oPEr	**Profile Status Menu - Operations Page**		*If 4th digit of model number is R, B, E or N.*
PStr	Profile Start	Read/Write	*Always*
PACr	Profile Action Request	Read/Write	*Always*
StP	Active Step	Read Only	*Profile is active.*
St4P	Active Step Type	Read Only	*Profile is active.*
t.9S 1	Target Set Point Loop 1	Read/Write	*Profile is active.*
t.9S2	Target Set Point Loop 2	Read/Write	*If 9th digit of model number C or J and profile is active.*
ACSP	Produced Set Point 1	Read Only	*Profile is active.*
P.SP2	Produced Set Point 2	Read Only	*If 9th digit of model number C or J and profile is active.*
hoUr	Hours	Read/Write	*Profile is active.*
MIn	Minutes	Read/Write	*Profile is active.*
SEC	Seconds	Read/Write	*Profile is active.*
Ent 1	Event Output 1	Read/Write	*Always*
Ent2	Event Output 2	Read/Write	*Always*
JC	Jump Count Remaining	Read Only	*Always*

EZ-ZONE PM Setup Page

Parameter	Parameter Name	Default	User Value	*Appears if:*
A1 SEt	**Analog Input Menu - Setup Page**			*Always*
I A1	**Instance 1 - Analog Input**			*Submenu instance only appears if more than one instance.*
SEn	Sensor Type	tc		*If 4th digit of model number is C, R or B.*
L in	TC Linearization	J		*If 4th digit of model number is C, R or B.*
rtL	RTD Leads	2		*If 4th digit of model number is C, R or B AND sensor type is RTD.*
Unit	Units	Pro		*Always*
SLo	Scale Low	0.0		*If 4th digit of model number is C, R or B AND sensor type is process.*
Sh1	Scale High	20.0		*If 4th digit of model number is C, R or B AND sensor type is process.*
rLo	Range Low	0.0		*If 4th digit of model number is C, R or B AND sensor type is process.*
rh1	Range High	9999		*If 4th digit of model number is C, R or B AND sensor type is process.*
PEE	Process Error Enable	oFF		*If 4th digit of model number is C, R or B AND sensor type is process.*
PEL	Process Error Low	0.0		*If 4th digit of model number is C, R or B AND sensor type is process.*
tC	Thermistor Curve	A		*If 4th digit of model number is J, N or E.*
rr	Resistance Range	40		*If 4th digit of model number is J, N or E.*
FIL	Filter	0.5		*Always*
iEr	Input Error Latching	oFF		*Always*
dEC	Display Precision	0		*Always*
SbA	Sensor Backup Enable	oFF		*If 3nd digit of model number is 3 or 6 AND 9th digit is R, P, L, or M*
iCA	Calibration Offset	0.0		*Always*
A in	Active Process Value	Read Only		*Always*
iEr	Input Error	Read Only		*Always*
2 A1	**Instance 2 - Analog Input**			*If 9th digit of model number is C, J, R, P, M or L*
SEn	Sensor Type	tc		*Always*
L in	TC Linearization	J		*Always*
rtL	RTD Leads	2		*Always*
Unit	Units	Pro		*Always*
SLo	Scale Low	0.0		*Always*
Sh1	Scale High	20.0		*Always*
rLo	Range Low	0.0		*Always*
rh1	Range High	9999		*Always*
PEE	Process Error Enable	oFF		*Always*
PEL	Process Error Low	0.0		*Always*

EZ-ZONE PM Setup Page

t.C	Thermistor Curve	A		*Always*
r.r	Resistance Range	40		*Always*
F iL	Filter	0.5		*Always*
iEr	Input Error Latching	oFF		*Always*
dEC	Display Precision	0		*Always*
iCA	Calibration Offset	0.0		*Always*
A in	Active Process Value	Read Only		*Always*
iEr	Input Error	Read Only		*Always*

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

EZ-ZONE PM Setup Page

Unit	Units	Src		Always
iP.1	Input Point 1	0.0		Always
oP.1	Output Point 1	0.0		Always
iP.2	Input Point 2	1.0		Always
oP.2	Output Point 2	1.0		Always
iP.3	Input Point 3	2.0		Always
oP.3	Output Point 3	2.0		Always
iP.4	Input Point 4	3.0		Always
oP.4	Output Point 4	3.0		Always
iP.5	Input Point 5	4.0		Always
oP.5	Output Point 5	4.0		Always
iP.6	Input Point 6	5.0		Always
oP.6	Output Point 6	5.0		Always
iP.7	Input Point 7	6.0		Always
oP.7	Output Point 7	6.0		Always
iP.8	Input Point 8	7.0		Always
oP.8	Output Point 8	7.0		Always
iP.9	Input Point 9	8.0		Always
oP.9	Output Point 9	8.0		Always
iP.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, N or S*
1 Pu	**Instance 1 - Process Value**			*Submenu instance only appears if more than one instance.*
Fn	Function	oFF		*Always*
P.unt	Pressure Units	PSI		*If function is set pressure to altitude.*
A.unt	Altitude Units	HFt		*If function is set pressure to altitude.*
b.Pr	Barometric Pressure	14.7		*If function is set to Wet Bulb/Dry Bulb*
FiL	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	PSI		*If function is set pressure to altitude.*
A.unt	Altitude Units	HFt		*If function is set pressure to altitude.*
b.Pr	Barometric Pressure	14.7		*If function is set to Wet Bulb/Dry Bulb*
FiL	Filter	0.0		*Always*

EZ-ZONE PM Setup Page

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 ir	Digital I/O Direction	otPt		*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.*
o.Ct	Output Control	Ftb		*If Digital I/O Direction is set to output.*
o.tb	Output Time Base	1.0		*If Digital I/O Direction is set to output.*
o.Lo	Output Low Power Scale	0		*If Digital I/O Direction is set to output.*
o.hi	Output High Power Scale	100		*If Digital I/O Direction is set to output.*
LEu	Active Level	high		*If Digital I/O Direction is set to input.*
Fn	Action Function	none		*If Digital I/O Direction is set to input.*
F i	Function Instance	0		*If Digital I/O Direction is set to input.*
6 d io	**Instance 6 - Digital I/O**			*If 5th digit of model number is 2 or 4*
d ir	Digital I/O Direction	otPt		*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.*
o.Ct	Output Control	Ftb		*If Digital I/O Direction is set to output.*
o.tb	Output Time Base	1.0		*If Digital I/O Direction is set to output.*
o.Lo	Output Low Power Scale	0		*If Digital I/O Direction is set to output.*
o.hi	Output High Power Scale	100		*If Digital I/O Direction is set to output.*
LEu	Active Level	high		*If Digital I/O Direction is set to input.*
Fn	Action Function	none		*If Digital I/O Direction is set to input.*
F i	Function Instance	0		*If Digital I/O Direction is set to input.*
7 d io	**Instance 7 - Digital I/O**			*If 8th digit of model number is C or D*
d ir	Digital I/O Direction	otPt		*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.*
o.Ct	Output Control	Ftb		*If Digital I/O Direction is set to output.*
o.tb	Output Time Base	1.0		*If Digital I/O Direction is set to output.*
o.Lo	Output Low Power Scale	0		*If Digital I/O Direction is set to output.*
o.hi	Output High Power Scale	100		*If Digital I/O Direction is set to output.*
LEu	Active Level	high		*If Digital I/O Direction is set to input.*
Fn	Action Function	none		*If Digital I/O Direction is set to input.*
F i	Function Instance	0		*If Digital I/O Direction is set to input.*

EZ-ZONE PM Setup Page

8 d.io	**Instance 8 - Digital I/O**			*If 8th digit of model number is C or D*
d.ir	Digital I/O Direction	otPt		*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.*
o.Ct	Output Control	Ftb		*If Digital I/O Direction is set to output.*
o.tb	Output Time Base	1.0		*If Digital I/O Direction is set to output.*
o.Lo	Output Low Power Scale	0		*If Digital I/O Direction is set to output.*
o.hi	Output High Power Scale	100		*If Digital I/O Direction is set to output.*
LEv	Active Level	high		*If Digital I/O Direction is set to input.*
Fn	Action Function	none		*If Digital I/O Direction is set to input.*
F.i	Function Instance	0		*If Digital I/O Direction is set to input.*
9 d.io	**Instance 9 - Digital I/O**			*If 8th digit of model number is C or D*
d.ir	Digital I/O Direction	otPt		*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.*
o.Ct	Output Control	Ftb		*If Digital I/O Direction is set to output.*
o.tb	Output Time Base	1.0		*If Digital I/O Direction is set to output.*
o.Lo	Output Low Power Scale	0		*If Digital I/O Direction is set to output.*
o.hi	Output High Power Scale	100		*If Digital I/O Direction is set to output.*
LEv	Active Level	high		*If Digital I/O Direction is set to input.*
Fn	Action Function	none		*If Digital I/O Direction is set to input.*
F.i	Function Instance	0		*If Digital I/O Direction is set to input.*
10 d.io	**Instance 10 - Digital I/O**			*If 8th digit of model number is C or D*
d.ir	Digital I/O Direction	otPt		*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.*
o.Ct	Output Control	Ftb		*If Digital I/O Direction is set to output.*
o.tb	Output Time Base	1.0		*If Digital I/O Direction is set to output.*
o.Lo	Output Low Power Scale	0		*If Digital I/O Direction is set to output.*
o.hi	Output High Power Scale	100		*If Digital I/O Direction is set to output.*
LEv	Active Level	high		*If Digital I/O Direction is set to input.*
Fn	Action Function	none		*If Digital I/O Direction is set to input.*
F.i	Function Instance	0		*If Digital I/O Direction is set to input.*
11 d.io	**Instance 11 - Digital I/O**			*If 8th digit of model number is C or D*
d.ir	Digital I/O Direction	otPt		*Always*

EZ-ZONE PM Setup Page

Fn	Output Function	oFF		*If Digital I/O Direction is set to output.*
F1	Output Function Instance	1		*If Digital I/O Direction is set to output.*
oCt	Output Control	Ftb		*If Digital I/O Direction is set to output.*
otb	Output Time Base	1.0		*If Digital I/O Direction is set to output.*
oLo	Output Low Power Scale	0		*If Digital I/O Direction is set to output.*
oh1	Output High Power Scale	100		*If Digital I/O Direction is set to output.*
LEv	Active Level	hIgh		*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.*
I2 dIo	**Instance 12 - Digital I/O**			*If 8th digit of model number is C or D*
dIr	Digital I/O Direction	otPt		*Always*
Fn	Output Function	oFF		*If Digital I/O Direction is set to output.*
F1	Output Function Instance	1		*If Digital I/O Direction is set to output.*
oCt	Output Control	Ftb		*If Digital I/O Direction is set to output.*
otb	Output Time Base	1.0		*If Digital I/O Direction is set to output.*
oLo	Output Low Power Scale	0		*If Digital I/O Direction is set to output.*
oh1	Output High Power Scale	100		*If Digital I/O Direction is set to output.*
LEv	Active Level	hIgh		*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.*
LIM SEt	**Limit Menu - Setup Page**			*If 4th digit of model number is L, M or D or 9th digit is an L or M*
LSd	Limit Sides	both		*If limit sides is low or both.*
LhY	Limit Hysteresis	3.0 F or 2.0 C		*If limit sides is high or both.*
SPLh	Set Point High Limit	9999		*If limit is tripped.*
SPLL	Set Point Low Limit	-1999		*Always*
LhS	Limit High Set Point	0.0 F or -18.0 C		*Always*
LLS	Limit Low Set Point	0.0 F or -18.0 C		*Always*
SFnA	Source Function A	nonE		*Always*
S1A	Source Instance A	1		*Always*
LCr	Limit Clear Request	appears if active		*Always*
LSt	Limit Status	Read Only		*Always*
L.it	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**			*If 4th digit of part number is C, R, B, J, N, E, or S.*

EZ-ZONE PM Setup Page

1 LooP	Instance 1 - Control Loop			Submenu instance only appears if more than one instance.
hAG	Heat Algorithm	PId		Always
CAG	Cool Algorithm	oFF		Always
CCr	Cool Output Curve	oFF		If cool algorithm is set to PID.
hPb	Heat Proportional Band	25.0 F or 14.0 C		If heat algorithm is set to PID.
hhY	Heat Hysteresis	3.0 F or 2.0 C		If heat algorithm is set to ON/OFF.
CPb	Cool Proportional Band	25.0 F or 14.0 C		If cool algorithm is set to PID.
ChY	Cool Hysteresis	3.0 F or 2.0 C		If cool algorithm is set to ON/OFF.
tI	Time Integral	180		If heat or cool algorithm is set to PID.
td	Time Derivative	0		If heat or cool algorithm is set to PID.
db	Dead Band	0		If heat or cool algorithm is set to PID.
tEUn	TRU-TUNE+ Enable	no		Always
tbnd	TRU-TUNE+ Band	0		Always
tGn	TRU-TUNE+ Gain	3		Always
AtSP	Autotune Set Point	90		Always
tAGr	Autotune Aggressiveness	Cr It		Always
PdL	Peltier Delay	0.0		Always
rEn	Remote Set Point Enable	no		If 9th digit of model number is R or P.
rtY	Remote Set Point Type	AUto		If 9th digit of model number is R or P.
UFA	User Failure Action	USEr		Always
FAIL	Input Error Failure	USEr		Always
mAn	Fixed Power	0.0		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
rSC	Ramp Scale	Min		Always
rrt	Ramp Rate	1		Always
LSP	Low Set Point	-1999 F or -1128 C		Always
hSP	High Set Point	9999 F or 5537 C		Always
CSP	Closed Loop Set Point	75.0 F or 24.0 C		Always
idS	Idle Set Point	75.0 F or 24.0 C		Always
SPLo	Set Point Open Limit Low	-100		Always
SPhI	Set Point Open Limit High	100		Always
oSP	Open Loop Set Point	0.0		Always

EZ-ZONE PM Setup Page

CTRL	Control Mode	AUto		*Always*
2 LooP	**Instance 2 - Control Loop**			*If 9th digit of model number is C or J*
hAG	Heat Algorithm	PId		*Always*
CAG	Cool Algorithm	oFF		*Always*
CCr	Cool Output Curve	oFF		*If cool algorithm is set to PID.*
hPb	Heat Proportional Band	25.0 F or 14.0 C		*If heat algorithm is set to PID.*
hHy	Heat Hysteresis	3.0 F or 2.0 C		*If heat algorithm is set to ON/OFF.*
CPb	Cool Proportional Band	25.0 F or 14.0 C		*If cool algorithm is set to PID.*
CHy	Cool Hysteresis	3.0 F or 2.0 C		*If cool algorithm is set to ON/OFF.*
tI	Time Integral	180		*If heat or cool algorithm is set to PID.*
td	Time Derivative	0		*If heat or cool algorithm is set to PID.*
db	Dead Band	0		*If heat or cool algorithm is set to PID.*
tEUn	TRU-TUNE+ Enable	no		*Always*
tbnd	TRU-TUNE+ Band	0		*Always*
tGn	TRU-TUNE+ Gain	3		*Always*
AtSP	Autotune Set Point	90		*Always*
tAGr	Autotune Aggressiveness	Cr iE		*Always*
PdL	Peltier Delay	0.0		*Always*
UFA	User Failure Action	USEr		*Always*
FAIL	Input Error Failure	USEr		*Always*
CMAn	Fixed Power	0.0		*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*
rSC	Ramp Scale	MIn		*Always*
rrt	Ramp Rate	1		*Always*
LSP	Low Set Point	-1999 F or -1128 C		*Always*
hSP	High Set Point	9999 F or 5537 C		*Always*
CSP	Closed Loop Set Point	75.0 F or 24.0 C		*Always*
idS	Idle Set Point	75.0 F or 24.0 C		*Always*
SPLo	Set Point Open Limit Low	-100		*Always*
SPHi	Set Point Open Limit High	100		*Always*
oSP	Open Loop Set Point	0.0		*Always*
CTRL	Control Mode	AUto		*Always*

EZ-ZONE PM Setup Page

oPt SEt	Output Menu - Setup Page			Always
1 oPt	**Instance 1 - Output**			*Submenu instance only appears if more than one instance.*
Fn	Output Function (output digital)	HEAt		*If 6th digit of part number is C, E, or K.*
F1	Output Function Instance	1		*If 6th digit of part number is C, E, or K.*
oCt	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.*
oh1	Output High Power Scale	100		*If 6th digit of part number is C, E, or K.*
oty	Output Type (output process)	volt		*If 6th digit of part number is F.*
Fn	Output Function	HEAt		*If 6th digit of part number is F.*
rSr	Retransmit Source	A1		*If 6th digit of part number is F AND output function is retransmit.*
F1	Output Function Instance	1		*If 6th digit of part number is F.*
SLo	Scale Low	0		*If 6th digit of part number is F.*
Sh1	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.*
rh1	Range High	9999 F or 5537 C		*If 6th digit of part number is F.*
oCA	Calibration Offset	0		*If 6th digit of part number is F.*
2 oPt	**Instance 2 - Output**			*If 7th digit of model number is C, H, J or K.*
Fn	Output Function (output digital)	ALM1		*Always (Limit is default if 4th digit of model number is L or D.*
F1	Output Function Instance	1		*If output function is not limit.*
oCt	Output Control	Ftb		*If output function is heat or cool.*
otb	Output Time Base	1 or 20		*If output control is fixed time base.*
oLo	Output Low Power Scale	0		*Always*
oh1	Output High Power Scale	100		*Always*
3 oPt	**Instance 3 - Output**			*If 10th digit of part number is C, E, F, or K.*
Fn	Output Function (output digital)	HEAt		*If 10th digit of part number is C, E, or K.*
F1	Output Function Instance	1		*If 10th digit of part number is C, E, or K.*
oCt	Output Control	Ftb		*If 10th digit of part number is C, E or K AND output function is heat or cool.*
otb	Output Time Base	1 or 20		*If 10th digit of part number is C, E or K AND output control is fixed time base.*
oLo	Output Low Power Scale	0		*If 10th digit of part number is C, E, or K.*
oh1	Output High Power Scale	100		*If 10th digit of part number is C, E, or K.*
oty	Output Type (output process)	volt		*If 10th digit of part number is F.*
Fn	Output Function	HEAt		*If 10th digit of part number is F.*
rSr	Retransmit Source	A1		*If 10th digit of part number is F AND output function is retransmit.*

EZ-ZONE PM Setup Page

F1	Output Function Instance	1		*If 10th digit of part number is F.*
SLo	Scale Low	0		*If 10th digit of part number is F.*
Sh1	Scale High	10		*If 10th digit of part number is F.*
rLo	Range Low	0 F or -18 C		*If 10th digit of part number is F.*
rh1	Range High	9999 F or 5537 C		*If 10th digit of part number is F.*
oCA	Calibration Offset	0		*If 10th digit of part number is F.*
4 otPt	**Instance 4 - Output**			*If 11th digit of model number is C, H, J or K.*
Fn	Output Function (output digital)	oFF		*Limit is default if 9th digit of model number is L or M.*
F1	Output Function Instance	1		*If output function is not limit.*
oCt	Output Control	Ftb		*If output function is heat or cool.*
otb	Output Time Base	1 or 20		*If output control is fixed time base.*
oLo	Output Low Power Scale	0		*Always*
oh1	Output High Power Scale	100		*Always*

ALM SEt	**Alarm Menu - Setup Page**			*Always*
1 ALM	**Instance 1 - Alarm**			*Always*
AtY	Alarm Type	oFF		*Always*
SrA	Alarm Source	A1		*If alarm type is process or deviation.*
1SA	Alarm Source Instance	1		*If alarm type is process or deviation.*
LooP	Alarm Control Loop	1		*If 9th digit of part number is C or J.*
AhY	Alarm Hysteresis	1		*If alarm type is process or deviation.*
AL9	Alarm Logic	AL9		*If alarm type is process or deviation.*
ASd	Alarm Sides	both		*If alarm type is process or deviation.*
ALo	Alarm Low Set Point	32.0 F or 0.0 C		*If alarm type is process or deviation AND alarm sides is low or both.*
Ah1	Alarm High Set Point	300.0 F or 150.0 C		*If alarm type is process or deviation AND alarm sides is high or both.*
ALA	Alarm Latching	nLAt		*If alarm type is process or deviation.*
AbL	Alarm Blocking	oFF		*If alarm type is process or deviation.*
AS1	Alarm Silencing	oFF		*If alarm type is process or deviation.*
AdSP	Alarm Display	on		*If alarm type is process or deviation.*
AdL	Alarm Delay Time	0		*If alarm type is process or deviation.*
ACLr	Alarm Clear Request	CLr		*If alarm is active.*
AS1r	Alarm Silence Request	S1L		*If alarm is active AND silencing is on.*
ASt	Alarm State	Read Only		*Always*
2 ALM	**Instance 2 - Alarm**			*Always*
AtY	Alarm Type	oFF		*Always*

EZ-ZONE PM Setup Page

Sr.A	Alarm Source	A1		*If alarm type is process or deviation.*
1SA	Alarm Source Instance	1		*If alarm type is process or deviation.*
LooP	Alarm Control Loop	1		*If 9th digit of part number is C or J.*
A.hy	Alarm Hysteresis	1		*If alarm type is process or deviation.*
A.LG	Alarm Logic	A.LG		*If alarm type is process or deviation.*
A.Sd	Alarm Sides	both		*If alarm type is process or deviation.*
A.Lo	Alarm Low Set Point	32.0 F or 0.0 C		*If alarm type is process or deviation AND alarm sides is low or both.*
A.h1	Alarm High Set Point	300.0 F or 150.0 C		*If alarm type is process or deviation AND alarm sides is high or both.*
A.LA	Alarm Latching	nLAt		*If alarm type is process or deviation.*
A.bL	Alarm Blocking	oFF		*If alarm type is process or deviation.*
A.S1	Alarm Silencing	oFF		*If alarm type is process or deviation.*
A.dSP	Alarm Display	on		*If alarm type is process or deviation.*
A.dL	Alarm Delay Time	0		*If alarm type is process or deviation.*
A.CLr	Alarm Clear Request	CLr		*If alarm is active.*
A.S1r	Alarm Silence Request	S1L		*If alarm is active AND silencing is on.*
A.St	Alarm State	Read Only		*Always*
3 ALM	**Instance 3 - Alarm**			*Always*
A.ty	Alarm Type	oFF		*Always*
Sr.A	Alarm Source	A1		*If alarm type is process or deviation.*
1SA	Alarm Source Instance	1		*If alarm type is process or deviation.*
LooP	Alarm Control Loop	1		*If 9th digit of part number is C or J.*
A.hy	Alarm Hysteresis	1		*If alarm type is process or deviation.*
A.LG	Alarm Logic	A.LG		*If alarm type is process or deviation.*
A.Sd	Alarm Sides	both		*If alarm type is process or deviation.*
A.Lo	Alarm Low Set Point	32.0 F or 0.0 C		*If alarm type is process or deviation AND alarm sides is low or both.*
A.h1	Alarm High Set Point	300.0 F or 150.0 C		*If alarm type is process or deviation AND alarm sides is high or both.*
A.LA	Alarm Latching	nLAt		*If alarm type is process or deviation.*
A.bL	Alarm Blocking	oFF		*If alarm type is process or deviation.*
A.S1	Alarm Silencing	oFF		*If alarm type is process or deviation.*
A.dSP	Alarm Display	on		*If alarm type is process or deviation.*
A.dL	Alarm Delay Time	0		*If alarm type is process or deviation.*
A.CLr	Alarm Clear Request	CLr		*If alarm is active.*
A.S1r	Alarm Silence Request	S1L		*If alarm is active AND silencing is on.*
A.St	Alarm State	Read Only		*Always*
4 ALM	**Instance 4 - Alarm**			*Always*

EZ-ZONE PM Setup Page

A.tY	Alarm Type	oFF		*Always*
Sr.A	Alarm Source	A 1		*If alarm type is process or deviation.*
1SA	Alarm Source Instance	1		*If alarm type is process or deviation.*
LooP	Alarm Control Loop	1		*If 9th digit of part number is C or J.*
A.hY	Alarm Hysteresis	1		*If alarm type is process or deviation.*
A.L9	Alarm Logic	A.L9		*If alarm type is process or deviation.*
A.Sd	Alarm Sides	both		*If alarm type is process or deviation.*
A.Lo	Alarm Low Set Point	32.0 F or 0.0 C		*If alarm type is process or deviation AND alarm sides is low or both.*
A.h 1	Alarm High Set Point	300.0 F or 150.0 C		*If alarm type is process or deviation AND alarm sides is high or both.*
A.LA	Alarm Latching	Non-Latching		*If alarm type is process or deviation.*
A.bL	Alarm Blocking	oFF		*If alarm type is process or deviation.*
A.S 1	Alarm Silencing	oFF		*If alarm type is process or deviation.*
A.dSP	Alarm Display	on		*If alarm type is process or deviation.*
A.dL	Alarm Delay Time	0		*If alarm type is process or deviation.*
A.CLr	Alarm Clear Request	CLr		*If alarm is active.*
A.S 1r	Alarm Silence Request	S 1L		*If alarm is active AND silencing is on.*
A.St	Alarm State	Read Only		*Always*

CUrr SEt	**Current Menu - Setup Page**			*If 9th digit of part number is T.*
C.Sd	Current Sides	oFF		*Always*
C.Ur	Current Read Enable	no		*Always*
C.dt	Input Current Detection Threshold	9		*Always*
C.SC	Current Scaling	50.0		*Always*
C.oFS	Heater Current Offset	0.0		*Always*
C.S 1	Current Output Source Instance	9		*Always*

rnAt SEt	**Math Menu - Setup Page**			*If 9th digit of part number is C or J AND 12th digit C.*
Fn	Function	oFF		*Always*
SFn.E	Source Function E	nonE		*Function is set to deviation scale or process scale.*
S 1.E	Source Instance E	1		*Function is set to deviation scale or process scale.*
S.Lo	Scale Low	0.0		*Function is set to deviation scale or process scale.*
S.h 1	Scale High	1.0		*Function is set to deviation scale or process scale.*
r.Lo	Range Low	0.0		*Function is set to deviation scale or process scale.*
r.h 1	Range High	1.0		*Function is set to deviation scale or process scale.*
F 1L	Filter	0.0		*Function is set to deviation scale or process scale.*

EZ-ZONE PM Setup Page

SoF SEt	Special Output Function Menu - Setup Page			If 12th digit of part number is C.
Fn	Function	oFF		Always
SFn.A	Source Function A	nonE		If function is set to motorized valve or compressor control.
S .A	Source Instance A	1		If function is set to motorized valve or compressor control.
SFn.b	Source Function B	nonE		If function is set to motorized valve or compressor control.
S .b	Source Instance B	1		If function is set to motorized valve or compressor control.
Pon.A	Power On Level 1	0		If function is set to compressor control.
PoF.A	Power Off Level 1	5		If function is set to compressor control.
Pon.b	Power On Level 2	0		If function is set to compressor control.
PoF.b	Power Off Level 2	5		If function is set to compressor control.
on.t	On Time	20		If function is set to compressor control.
oF.t	Off Time	20		If function is set to compressor control.
t.t	Valve Travel Time	5		If function is set to motorized valve control.
db	Dead Band	20		If function is set to motorized valve control.
t.dL	Time Delay	20		If function is set to compressor control.

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

GLbL SEt	Global Menu - Setup Page			Always
C_F	Display Units	F		Always
AC.LF	AC Line Frequency	60		Always
r.tYP	Ramping Type	t 1		If 4th digit of part number is B, E, R or N.
PtYP	Profile Type	StPt		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.
9Sd1	Guaranteed Soak Deviation 1	10.0 F or 6.0 C		If 4th digit of part number is B, E, R or N.
9Sd2	Guaranteed Soak Deviation 2	10.0 F or 6.0 C		If 4th digit of part number is B, E, R or N AND digit 9 is C or J.

EZ-ZONE PM Setup Page

SrcA	Source Instance A	1		*If 4th digit of part number is B, E, R or N AND digit 9 is C or J.*
SrcB	Source Instance B	1		*If 4th digit of part number is B, E, R or N AND digit 9 is C or J.*
Pot1	Power Off Time	0		*If 4th digit of part number is B, or E.*
SubB	Syncronized Variable Time Base	0		*If 4th digit of part number is B, or E AND firmware 13 or newer.*
CLEd	Communications LED Action	both		*Always*
ZonE	Zone	on		*Always*
ChAn	Channel	on		*Always*
dPrS	Display Pairs	2		*Always*
dt1	Display Time	0		*Always*
USrS	User Settings Save	nonE		*Always*
USrr	User Settings Restore	nonE		*Always*

CoMM SEt	**Communications Menu - Setup Page**			*Always*
1 CoMM	**Instance 1 - Communication**			*Always*
	Standard Bus and Modbus RTU Model			*If 8th digit of part number 1 or D for Modbus RTU.*
PCoL	Protocol	Modbus or Standard Bus		*If 8th digit of part number 1 or D.*
AdS	Standard Bus Address	1		*Always*
AdMM	Modbus Address	1		*If 8th digit of part number 1 or D AND protocol is set to Modbus.*
bAUd	Baud Rate	9600		*If 8th digit of part number 1 or D AND protocol is set to Modbus.*
PAr	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.*
MMhL	Modbus Word Order	Loh1		*If 8th digit of part number 1 or D AND protocol is set to Modbus.*
MMAP	Data Map	1 or 2		*Always*
nUS	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.*
AdMM	Modbus Address	1		*Always*
bAUd	Baud Rate	9600		*Always*
PAr	Parity	nonE		*Always*
MMhL	Modbus Word Order	Loh1		*Always*
C_F	Display Units	F		*Always*
MMAP	Data Map	1 or 2		*Always*
nUS	Non-Volatile Save	YES		*Always*
	Ethernet Model			*If 8th digit of part number is 3.*
MMhL	Modbus Word Order	Loh1		*Always*

EZ-ZONE PM Setup Page

,P.M	IP Address Mode	dHCP		*Always*
,PF1	IP Fixed Address Part 1	169		*Always*
,PF2	IP Fixed Address Part 2	254		*Always*
,PF3	IP Fixed Address Part 3	1		*Always*
,PF4	IP Fixed Address Part 4	1		*Always*
,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*
MbE	Modbus TCP Enable	YES		*Always*
E,PE	EtherNet/IP Enable	YES		*Always*
Aonb	Implicit Output Assembly Size	20		*If EtherNet/IP Enable is set to yes.*
A,nb	Implicit Input Assembly Size	20		*If EtherNet/IP Enable is set to yes.*
C_F	Display Units	F		*Always*
MAP	Data Map	1 or 2		*Always*
noS	Non-volatile Save	YES		*Always*
	DeviceNet Model			*If 8th digit of part number 5.*
Add	DeviceNet Node Address	63		*Always*
bAUd	Baud Rate DeviceNet	125		*Always*
FCE	DeviceNet Quick Connect Enable	no		*Always*
Aonb	Implicit Output Assembly Size	20		*Always*
A,nb	Implicit Input Assembly Size	20		*Always*
	Profibus Model			*If 8th digit of part number 6.*
PAdd	Profibus Node Address	126		*Always*
ALoc	Profibus Address Lock	no		*Always*
StAt	Profibus Status User	Read Only		*Always*

rtC SEt	**Real Time Clock Menu - Setup Page**			*If 4th digit of part number is B or E.*
hour	Hours			*Always*
Min	Minutes			*Always*
dotW	Day of Week			*Always*

EZ-ZONE PM Factory Page

Rev. D

Parameter	Parameter Name	Default	User Value	Instance			*Appears if:*
CUSt FCty	Custom Menu - Factory Page						*Always*
1 CUSt		**Instance 1 - Custom**					*Always*
PAr	Parameter	AC.Pu		id	1		
2 CUSt		**Instance 2 - Custom**					
PAr	Parameter	AC.SP		id	1		*Always*
3 CUSt		**Instance 3 - Custom**					
PAr	Parameter	C.Pn		id	1		
4 CUSt		**Instance 4 - Custom**					*Always*
PAr	Parameter	h.Pr		id	1		
5 CUSt		**Instance 5 - Custom**					*Always*
PAr	Parameter	C.Pr		id	1		
6 CUSt		**Instance 6 - Custom**					*Always*
PAr	Parameter	AUto		id	1		
7 CUSt		**Instance 7 - Custom**					*Always*
PAr	Parameter	idLE		id	1		
8 CUSt		**Instance 8 - Custom**					*Always*
PAr	Parameter	P.St5		id	1		
9 CUSt		**Instance 9 - Custom**					*Always*
PAr	Parameter	P.AC r		id	1		
10 CUSt		**Instance 10 - Custom**					*Always*
PAr	Parameter	nonE		id	1		
11 CUSt		**Instance 11 - Custom**					*Always*
PAr	Parameter	nonE		id	1		
12 CUSt		**Instance 12 - Custom**					*Always*
PAr	Parameter	nonE		id	1		
13 CUSt		**Instance 13 - Custom**					*Always*

EZ-ZONE PM Factory Page

PAr	Parameter	nonE		1id	1		
14 CUSt		**Instance 14 - Custom**					*Always*
PAr	Parameter	nonE		1id	1		
15 CUSt		**Instance 15 - Custom**					*Always*
PAr	Parameter	nonE		1id	1		
16 CUSt		**Instance 16 - Custom**					*Always*
PAr	Parameter	nonE		1id	1		
17 CUSt		**Instance 17 - Custom**					*Always*
PAr	Parameter	nonE		1id	1		
18 CUSt		**Instance 18 - Custom**					*Always*
PAr	Parameter	nonE		1id	1		
19 CUSt		**Instance 19 - Custom**					*Always*
PAr	Parameter	nonE		1id	1		
20 CUSt		**Instance 20 - Custom**					*Always*
PAr	Parameter	nonE		1id	1		

Parameter	Parameter Name	Default	User Value	*Appears if:*
LoC FCtY	Security Setting Menu - Factory Page			*If Password Enable is set off.*
LoC.o	Operations Page	2		*Always*
LoC.P	Profiling Page	3		*Always*
PAS.E	Password Enable	oFF		*Always*
rLoC	Read Lockout Security	5		*Always*
SLoC	Set Lockout Security	5		*Always*
LoC.L	Locked Access Level	5		*Always*
roLL	Rolling Password	oFF		*Always*
PAS.u	User Password	63		*Always*
PAS.A	Administrator Password	156		*Always*

EZ-ZONE PM Factory Page

ULoC FCty	Security Setting Menu - Factory Page			*If Password Enable is set on.*
CodE	Public Key	Read Only		*Always*
PASS	Password	changes		*Always*

d iAg FCty	Diagnostics Menu - Factory Page		*Always*
Pn	Part Number	Read Only	*Always*
rEv	Software Revision	Read Only	*Always*
S.bLd	Software Build	Read Only	*Always*
Sn	Serial Number	Read Only	*Always*
dAtE	Date of Manufacture	Read Only	*Always*
IP.AC	IP Address Mode	Read Only	*If 8th digit of part number is 3.*
iP.A1	IP Actual Address Part 1	Read Only	*If 8th digit of part number is 3.*
iP.A2	IP Actual Address Part 2	Read Only	*If 8th digit of part number is 3.*
iP.A3	IP Actual Address Part 3	Read Only	*If 8th digit of part number is 3.*
iP.A4	IP Actual Address Part 4	Read Only	*If 8th digit of part number is 3.*

CAL FCty	Calibration Menu - Factory Page			*If Password Enable is set off AND read lock is set greater than 3.*
1 CAL	**Instance 1 - Calibration**			*Always*
rnu	Electrical Measurement	Read Only		*Always*
EL.io	Electrical Input Offset	0.000		*Always*
EL.iS	Electrical Input Slope	1.000		*Always*
ELo.o	Electrical Output Offset	0.000		*If 6th digit of part number is F.*
ELo.S	Electrical Output Slope	1.000		*If 6th digit of part number is F.*
Pn	Part Number	Fcty		*Always if revision 13 or newer.*
CodE	Public Key	4999		*Always if revision 13 or newer.*
2 CAL	**Instance 2 - Calibration**			*Always*
rnu	Electrical Measurement	Read Only		*Always*

EL.IO	Electrical Input Offset	0.000		*Always*
EL.IS	Electrical Input Slope	1.000		*Always*
3 CAL	**Instance 3 - Calibration**			*Always*
ELo.o	Electrical Output Offset	0.000		*If 10th digit of part number is F.*
ELo.S	Electrical Output Slope	1.000		*If 10th digit of part number is F.*

EZ-ZONE PM Profile Page

Rev. D

P1 ProF	Profile 1 Step Menu - Profiling Page		
1 P1	Step 1 - Profile 1		
StyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	uSEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P1 ProF	Profile 1 Step Menu - Profiling Page		
2 P1	Step 2 - Profile 1		
StyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	uSEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P1 ProF	Profile 1 Step Menu - Profiling Page		
3 P1	Step 3 - Profile 1		
S.tyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	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		
S.tyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P1 ProF	Profile 1 Step Menu - Profiling Page		
5 P1	Step 5 - Profile 1		
S.tYP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.2	Wait Event 2	oFF	
dowW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P1 ProF	Profile 1 Step Menu - Profiling Page		
6 P1	Step 6 - Profile 1		
S.tYP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.2	Wait Event 2	oFF	
dowW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P1 ProF	Profile 1 Step Menu - Profiling Page		
7 P1	Step 7 - Profile 1		
StyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P1 ProF	Profile 1 Step Menu - Profiling Page		
8 P1	Step 8 - Profile 1		
StyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P1 ProF	Profile 1 Step Menu - Profiling Page		
9 P1	Step 9 - Profile 1		
S.tyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

P1 ProF	Profile 1 Step Menu - Profiling Page		
10 P1	Step 10 - Profile 1		
S.tyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P2 PrOF	Profile 2 Step Menu - Profiling Page		
11 P2	Step 11 - Profile 2		
StYP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
WP1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.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	

P2 PrOF	Profile 2 Step Menu - Profiling Page		
12 P2	Step 12 - Profile 2		
StYP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
WP1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.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	

EZ-ZONE PM Profile Page

P2 PrOF	Profile 2 Step Menu - Profiling Page		
13 P2	Step 13 - Profile 2		
StYP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.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	

P2 PrOF	Profile 2 Step Menu - Profiling Page		
14 P2	Step 14 - Profile 2		
StYP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.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	

EZ-ZONE PM Profile Page

P2 ProF	Profile 2 Step Menu - Profiling Page		
15 P2	Step 15 - Profile 2		
S.tyP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.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	

P2 ProF	Profile 2 Step Menu - Profiling Page		
16 P2	Step 16 - Profile 2		
S.tyP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.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	

EZ-ZONE PM Profile Page

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	
MIn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.2	Wait Event 2	oFF	
dowW	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	
MIn	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.2	Wait Event 2	oFF	
dowW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P2 ProF	Profile 2 Step Menu - Profiling Page		
19 P2	Step 19 - Profile 2		
StyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	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	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	uSEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P3 ProF	Profile 3 Step Menu - Profiling Page		
21 P3	Step 21 - Profile 3		
S.tYP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.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	

P3 ProF	Profile 3 Step Menu - Profiling Page		
22 P3	Step 22 - Profile 3		
S.tYP	Step Type	uStP	
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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.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	

EZ-ZONE PM Profile Page

P3 ProF	Profile 3 Step Menu - Profiling Page		
23 P3	Step 23 - Profile 3		
S.tYP	Step Type	uSEP	
t.SP 1	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	0.0	
WJP 1	Wait For Process Instance	1	
WJ.P 1	Wait For Process 1	0 F or -18 C	
WJE.1	Wait Event 1	oFF	
WJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent 1	Event 1	oFF	
Ent2	Event 2	oFF	

P3 ProF	Profile 3 Step Menu - Profiling Page		
24 P3	Step 24 - Profile 3		
S.tYP	Step Type	uSEP	
t.SP 1	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	0.0	
WJP 1	Wait For Process Instance	1	
WJ.P 1	Wait For Process 1	0 F or -18 C	
WJE.1	Wait Event 1	oFF	
WJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent 1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P3 ProF	Profile 3 Step Menu - Profiling Page		
25 P3	Step 25 - Profile 3		
S.tYP	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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	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		
S.tYP	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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P3 ProF	Profile 3 Step Menu - Profiling Page		
27 P3	Step 27 - Profile 3		
StyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	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		
StyP	Step Type	uStP	
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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	uSEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P3 ProF	Profile 3 Step Menu - Profiling Page		
29 P3	Step 29 - Profile 3		
S.tYP	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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.2	Wait Event 2	oFF	
dowW	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		
S.tYP	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	0.0	
WP1	Wait For Process Instance	1	
W.P1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.2	Wait Event 2	oFF	
dowW	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P4 ProF	Profile 4 Step Menu - Profiling Page		
31 P4	Step 31 - Profile 4		
S.tYP	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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	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		
S.tYP	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	0.0	
wJP1	Wait For Process Instance	1	
wJ.P1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P4 ProF	Profile 4 Step Menu - Profiling Page		
33 P4	Step 33 - Profile 4		
S.tyP	Step Type	uStP	
t.SP 1	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	0.0	
wJP 1	Wait For Process Instance	1	
wJ.P 1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent 1	Event 1	oFF	
Ent2	Event 2	oFF	

P4 ProF	Profile 4 Step Menu - Profiling Page		
34 P4	Step 34 - Profile 4		
S.tyP	Step Type	uStP	
t.SP 1	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	0.0	
wJP 1	Wait For Process Instance	1	
wJ.P 1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent 1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P4 ProF	Profile 4 Step Menu - Profiling Page		
35 P4	Step 35 - Profile 4		
S.tyP	Step Type	uStP	
t.SP 1	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	0.0	
wJP 1	Wait For Process Instance	1	
wJ.P 1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent 1	Event 1	oFF	
Ent2	Event 2	oFF	

P4 ProF	Profile 4 Step Menu - Profiling Page		
36 P4	Step 36 - Profile 4		
S.tyP	Step Type	uStP	
t.SP 1	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	0.0	
wJP 1	Wait For Process Instance	1	
wJ.P 1	Wait For Process 1	0 F or -18 C	
wJE.1	Wait Event 1	oFF	
wJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent 1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P4 ProF	Profile 4 Step Menu - Profiling Page		
37 P4	Step 37 - Profile 4		
S.tYP	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	0.0	
WJP1	Wait For Process Instance	1	
WJ.P1	Wait For Process 1	0 F or -18 C	
WJE.1	Wait Event 1	oFF	
WJE.2	Wait Event 2	oFF	
doWJ	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		
S.tYP	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	0.0	
WJP1	Wait For Process Instance	1	
WJ.P1	Wait For Process 1	0 F or -18 C	
WJE.1	Wait Event 1	oFF	
WJE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent1	Event 1	oFF	
Ent2	Event 2	oFF	

EZ-ZONE PM Profile Page

P4 ProF	Profile 4 Step Menu - Profiling Page		
39 P4	Step 39 - Profile 4		
S.tYP	Step Type	uStP	
t.SP 1	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	
MI in	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	0.0	
WP 1	Wait For Process Instance	1	
W.P 1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent 1	Event 1	oFF	
Ent2	Event 2	oFF	

P4 ProF	Profile 4 Step Menu - Profiling Page		
40 P4	Step 40 - Profile 4		
S.tYP	Step Type	uStP	
t.SP 1	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	
MI in	Minutes	0	
SEC	Seconds	0	
rAtE	Rate	0.0	
WP 1	Wait For Process Instance	1	
W.P 1	Wait For Process 1	0 F or -18 C	
WE.1	Wait Event 1	oFF	
WE.2	Wait Event 2	oFF	
doWJ	Day of Week	Sun	
JS	Jump Step	0	
JC	Jump Count	0	
End	End Type	USEr	
Ent 1	Event 1	oFF	
Ent2	Event 2	oFF	

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

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

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

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

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

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

EZ-ZONE PM Modbus Assembly

Rev. D

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

EZ-ZONE PM Modbus Assembly

Rev. D

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, Attritbute (table pointer)	CIP - Write Class, Inst, Attritbute (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, Attritbute (table pointer)	CIP - Write Class, Inst, Attritbute (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