



## EZ-ZONE® PM Express Limit Controller Models

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

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

There are three 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.

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. Cells highlighted in yellow are the only parameters that may be changed.

## EZ-ZONE PM Express Limit - Operations Page

Rev. E

| Parameter                        | Parameter Name       | Default                          | User Value | Appears:                                      |
|----------------------------------|----------------------|----------------------------------|------------|---|
| <input type="text" value="LLS"/> | Limit Low Set Point  | 0.0 F or -18.0 C                 |            | If Heat or Cool Algorithm is set to PID.      |
| <input type="text" value="LhS"/> | Limit High Set Point | 0.0 F or -18.0 C                 |            | Always  |
| <input type="text" value="ALo"/> | Alarm Low Set Point  | 32.0 F or 0.0 C                  |            | If Alarm Type is set to Process or Deviation. |
| <input type="text" value="Ah."/> | Alarm High Set Point | 300.0 F or 150.0 C               |            | If Alarm Type is set to Process or Deviation. |
| <input type="text" value="CLR"/> | Calibration Offset   | <input type="text" value="0.0"/> |            | Always  |

## EZ-ZONE PM Express Limit - Setup Page

Rev. E

| Parameter                         | Parameter Name         | Default                           | User Value | Appears:                                     |
|-----------------------------------|------------------------|-----------------------------------|------------|--|
| <b>L<sub>o</sub>L</b>             | Lockout Menu           | <b>5</b>                          |            | Always                                       |
| <b>S<sub>E</sub>n</b>             | Sensor Type            | <b>t<sub>c</sub></b>              |            | If 4th digit of model number is L.           |
| <b>L<sub>i</sub>n</b>             | TC Linearization       | <b>J</b>                          |            | If Sensor Type is set to Thermocouple        |
| <b>t<sub>c</sub></b>              | Thermistor Curve       | <b>A</b>                          |            | If 4th digit of model number is L or M.      |
| <b>r<sub>r</sub></b>              | Resistance Range       | <b>40</b>                         |            | If 4th digit of model number is L or M.      |
| <b>d<sub>E</sub>C</b>             | Decimal                | <b>0</b>                          |            | Always                                       |
| <b>C<sub>-</sub>F</b>             | Display Units          | <b>F</b>                          |            | Always                                       |
| <b>r<sub>L</sub>o</b>             | Range Low              | 0.0 F or -18.0 C                  |            | Always                                       |
| <b>r<sub>h</sub>i</b>             | Range High             | 9999 F or 5555 C                  |            | Always                                       |
| <b>F<sub>n</sub>1</b>             | Function Output 1      | <b>oFF</b>                        |            | If 6th digit of part number is C, E, K or F. |
| <b>o<sub>t</sub>Y</b>             | Output Type            | <b>v<sub>o</sub>LT</b>            |            | If 6th digit of model number is F.           |
| <b>F<sub>n</sub>2</b>             | Function Output 2      | <b>L<sub>i</sub>n</b>             |            | Always                                       |
| <b>L<sub>S</sub>d</b>             | Limit Sides            | <b>boTh</b>                       |            | Always                                       |
| <b>L<sub>h</sub>Y</b>             | Limit Hysteresis       | <b>3</b>                          |            | Always                                       |
| <b>A<sub>t</sub>Y</b>             | Alarm Type             | <b>oFF</b>                        |            | Always                                       |
| <b>A<sub>h</sub>Y</b>             | Alarm Hysteresis       | <b>1</b>                          |            | If Alarm Type is Process.                    |
| <b>A<sub>L</sub>9</b>             | Alarm Logic            | <b>A<sub>L</sub>C</b>             |            | If Alarm Type is Process.                    |
| <b>A<sub>L</sub>A</b>             | Alarm Latching         | <b>n<sub>L</sub>A<sub>t</sub></b> |            | If Alarm Type is Process.                    |
| <b>A<sub>b</sub>L</b>             | Alarm Blocking         | <b>oFF</b>                        |            | If Alarm Type is Process.                    |
| <b>A<sub>S</sub>i</b>             | Alarm Silencing        | <b>oFF</b>                        |            | If Alarm Type is Process.                    |
| <b>A<sub>d</sub>SP</b>            | Alarm Display          | <b>o<sub>n</sub></b>              |            | If Alarm Type is Process.                    |
| <b>P<sub>A</sub>r<sub>1</sub></b> | Upper or Left Display  | <b>P<sub>r</sub>o</b>             |            | Always                                       |
| <b>P<sub>A</sub>r<sub>2</sub></b> | Lower or Right Display | <b>L<sub>S</sub>t</b>             |            | Always                                       |
| <b>A<sub>d</sub>S</b>             | Zone Address           | <b>1</b>                          |            | Always                                       |

# EZ-ZONE PM Express Limit - Factory Page

Rev. E

| Parameter               | Parameter Name                       | Default      | User Value | Appears:                          |
|-------------------------|--------------------------------------|--------------|------------|-----------------------------------|
| <b>CUST</b> <b>FCT4</b> | Custom Menu - Factory Page           |              |            | Always                            |
| <b>1</b> <b>CUST</b>    | Instance 1 - Custom                  |              |            | Always                            |
| <b>PAR</b>              | Parameter                            | <b>Pro</b>   |            |                                   |
| <b>2</b> <b>CUST</b>    | Instance 2 - Custom                  |              |            | Always                            |
| <b>PAR</b>              | Parameter                            | <b>LS</b>    |            |                                   |
| <b>LOC</b> <b>FCT4</b>  | Security Setting Menu - Factory Page |              |            | If Password Enable is set off.    |
| <b>LOC</b>              | Lock                                 | <b>5</b>     |            | Always                            |
| <b>diag</b> <b>FCT4</b> | Diagnostics Menu - Factory Page      |              |            | Always                            |
| <b>Pn</b>               | Part Number                          | Read Only    |            | Always                            |
| <b>rEv</b>              | Software Revision                    | Read Only    |            | Always                            |
| <b>SBld</b>             | Software Build                       | Read Only    |            | Always                            |
| <b>Sn</b>               | Serial Number                        | Read Only    |            | Always                            |
| <b>dAtE</b>             | Date of Manufacture                  | Read Only    |            | Always                            |
| <b>USr.r</b>            | User Settings Restore                | <b>nonE</b>  |            | Always                            |
| <b>Zone</b>             | Zone                                 | <b>1</b>     |            | Always                            |
| <b>CAL</b> <b>FCT4</b>  | Calibration Menu - Factory Page      |              |            |                                   |
| <b>P7u</b>              | Electrical Measurement               | Read Only    |            | Always                            |
| <b>ELio</b>             | Electrical Input Offset              | <b>0.000</b> |            | Always                            |
| <b>ELiS</b>             | Electrical Input Slope               | <b>1.000</b> |            | Always                            |
| <b>ELo0</b>             | Electrical Output Offset             | <b>0.000</b> |            | If 6th digit of part number is F. |
| <b>ELoS</b>             | Electrical Output Slope              | <b>1.000</b> |            | If 6th digit of part number is F. |
| <b>Pn</b>               | Part Number                          | Read Only    |            | Always if revision 13 or newer.   |
| <b>Code</b>             | Public Key                           | <b>4999</b>  |            | Always if revision 13 or newer.   |