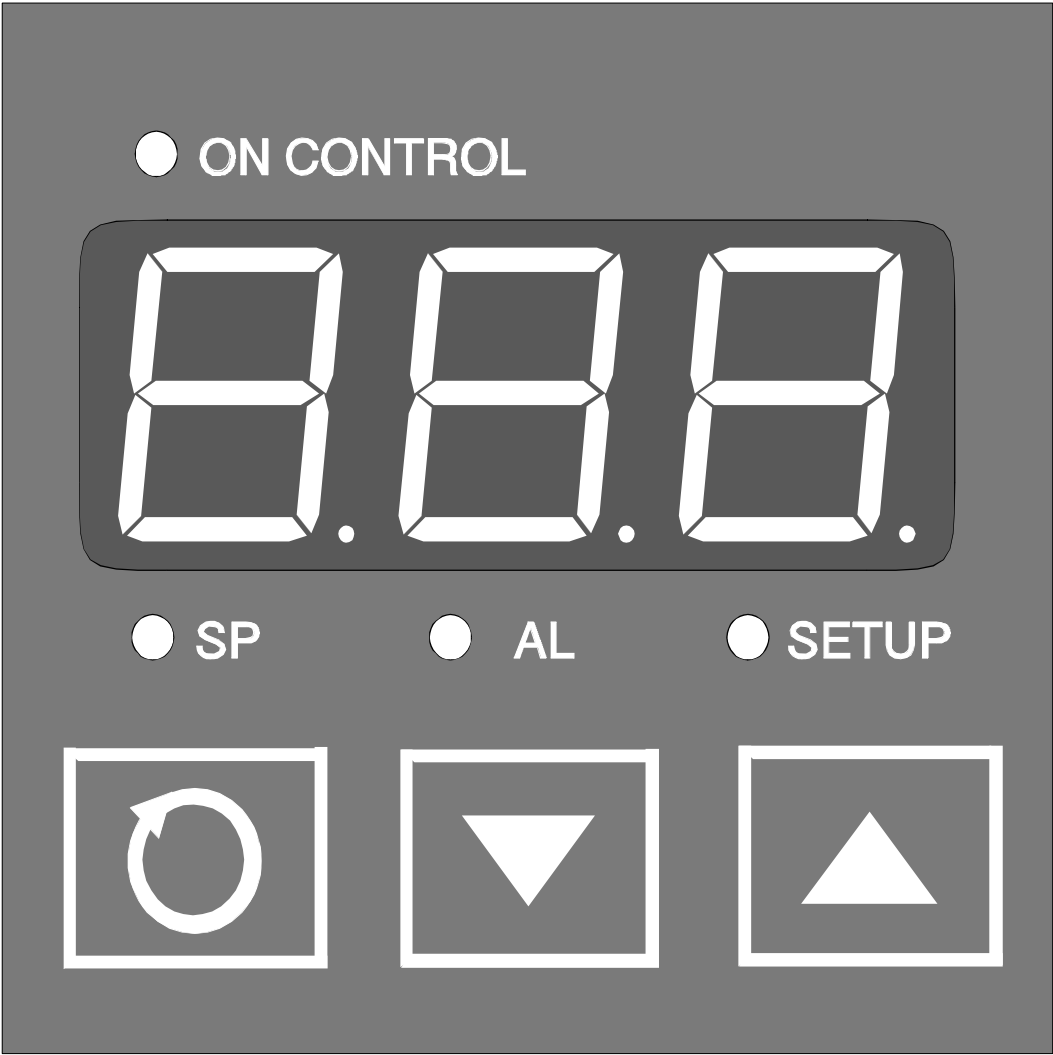


$\frac{1}{16}$ -DIN  
PACKAGING CONTROLLER  
SITE MANUAL



59106-3

May 2017

# PREFACE

This manual is intended for use in support of the installation and commissioning of the  $\frac{1}{16}$ -DIN Packaging Controller.



## CAUTION

The international hazard symbol is inscribed adjacent to the rear connection terminals. It is important to read the Site Manual before installing or commissioning the unit. The procedures described in this volume must be undertaken by technically competent personnel.

### Safety and Warning Symbols



Risk of electric shock.



Caution, refer to the manual.



Alternating or direct current  
could be present.



Equipment protected through-out  
by double insulation.











## SECTION 4 SETTING UP - RANGE/ALARM SELECTION

Press the Scroll and Up keys simultaneously until the display starts to flash. Release the Scroll and Up keys then press the Down key. The **SET UP** indicator will flash and the display will show the legend for the first parameter; after 1.5 seconds, the value of that parameter will be displayed. Use the Scroll key to step through the parameters in the sequence shown below and opposite.


**NOTES ON USE OF SCROLL KEY:** When a legend is displayed, pressing this key will step to the legend for the next parameter; when a value is displayed, pressing this key will display the legend for that parameter.

### 4.1 CHANGING PARAMETER VALUES/SETTINGS

Use the Up and Down keys to change the displayed value/setting. All changes are implemented immediately.

### 4.2 RETURNING TO NORMAL OPERATION

Press the Scroll key to display a parameter legend. While this legend is still displayed, press the Up and Down keys simultaneously for three seconds. **NOTE:** An automatic return to normal operation occurs if there is no key activity in Range/Alarm Selection Mode for one minute.

Parameter	Displayed Legend	Available Values																																								
Input Type and Range	I nP	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="text-align: center;"> <p>Three-digit display</p>  </div> <div style="text-align: center;"> <p>Input Range Maximum <sup>1</sup></p> <table border="1"> <thead> <tr> <th>Value</th> <th>Max.</th> <th>Value</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>100</td> <td>5</td> <td>500</td> </tr> <tr> <td>2</td> <td>200</td> <td>6</td> <td>600</td> </tr> <tr> <td>3</td> <td>300</td> <td>7</td> <td>700</td> </tr> <tr> <td>4</td> <td>400</td> <td>8</td> <td>800</td> </tr> </tbody> </table> </div> </div> <div style="display: flex; justify-content: space-around; width: 100%; margin-top: 10px;"> <div style="text-align: center;"> <p>Input Sensor Type</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Thermocouple Type J/L</td> </tr> <tr> <td>2</td> <td>Thermocouple Type K</td> </tr> <tr> <td>3</td> <td>Thermocouple Type N</td> </tr> <tr> <td>4</td> <td>Thermocouple Type T <sup>2</sup></td> </tr> <tr> <td>5</td> <td>RTD (-50 to Range Max.</td> </tr> <tr> <td>6</td> <td>RTD (0.0 to Range Max. - 1 decimal point)</td> </tr> </tbody> </table> </div> <div style="text-align: center;"> <p>°C or °F</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>°C</td> </tr> <tr> <td>1</td> <td>°F</td> </tr> </tbody> </table> </div> </div> </div>	Value	Max.	Value	Max.	1	100	5	500	2	200	6	600	3	300	7	700	4	400	8	800	Value	Units	1	Thermocouple Type J/L	2	Thermocouple Type K	3	Thermocouple Type N	4	Thermocouple Type T <sup>2</sup>	5	RTD (-50 to Range Max.	6	RTD (0.0 to Range Max. - 1 decimal point)	Value	Units	0	°C	1	°F
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Parameter	Displayed Legend	Available Values
Control Action	CTL	r P Reverse-acting PID control
		d P Direct-acting PID control
		r o Reverse-acting ON/OFF control
		d o Direct-acting ON/OFF control
Alarm Type and Action (available only if an Alarm Option is fitted)	ALT	PHd Process High Alarm, direct-acting
		PLd Process Low Alarm, direct-acting
		dEd Deviation Alarm, direct-acting
		bAd Band Alarm, direct-acting
		PHr Process High Alarm, reverse-acting
		PLr Process Low Alarm, reverse-acting
		dEr Deviation Alarm, reverse-acting
		bAr Band Alarm, reverse-acting
<p>NOTES:</p> <ol style="list-style-type: none"> <li>The RTD 0.0 range will always be 0.0 - 99.9, whatever the Range Maximum setting may be.</li> <li>Absolute Range Maximum = 400°C (700°F).</li> </ol>		

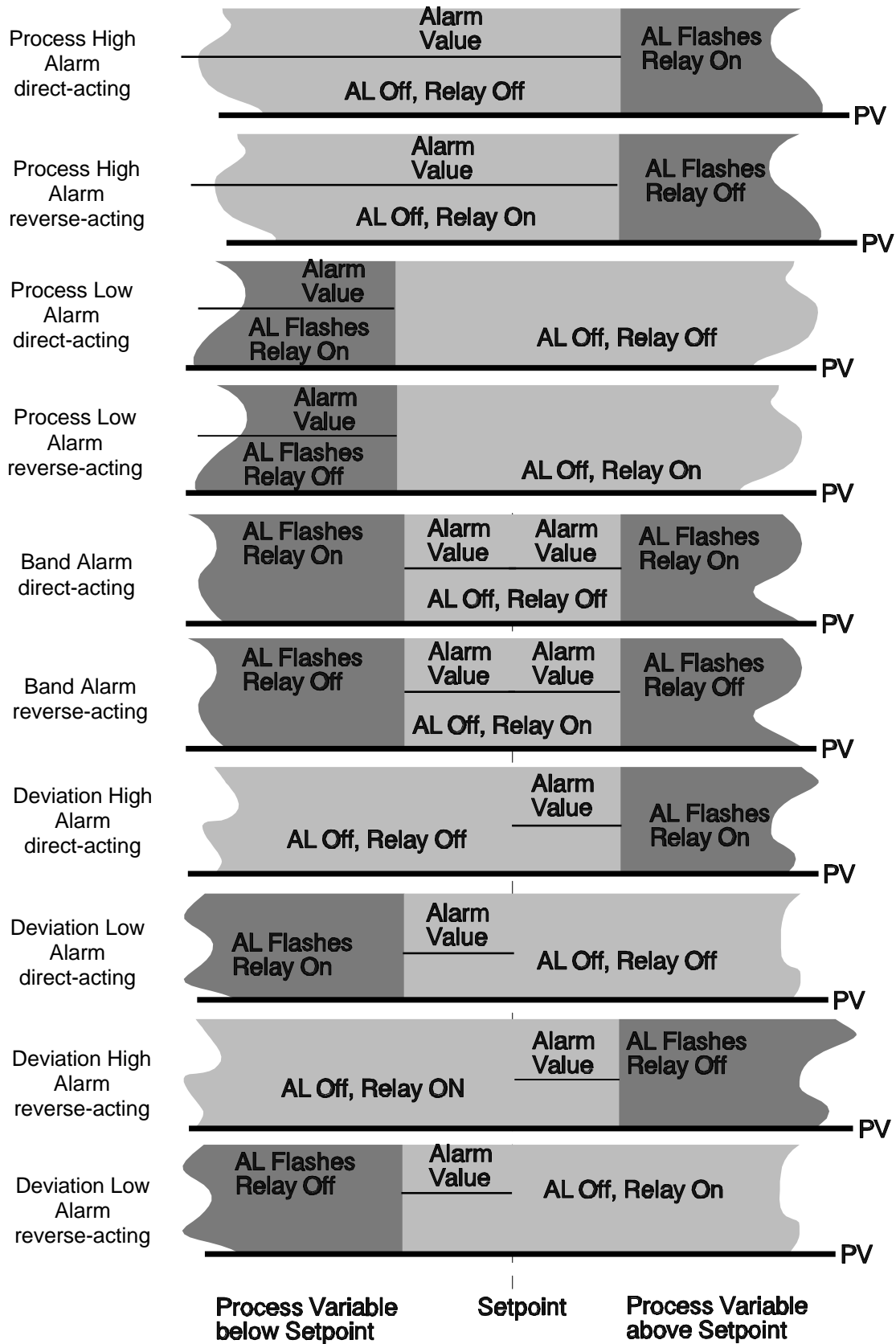


Figure 4-1 Alarm Operation