



Read instruction manual 334784 for complete instructions and warnings. This Quick Guide is not a substitute for reading and understanding all instructions manuals and warnings labels supplied with the equipment.

# Quick Guide InvisiPac® Pattern Controller



335007B  
EN

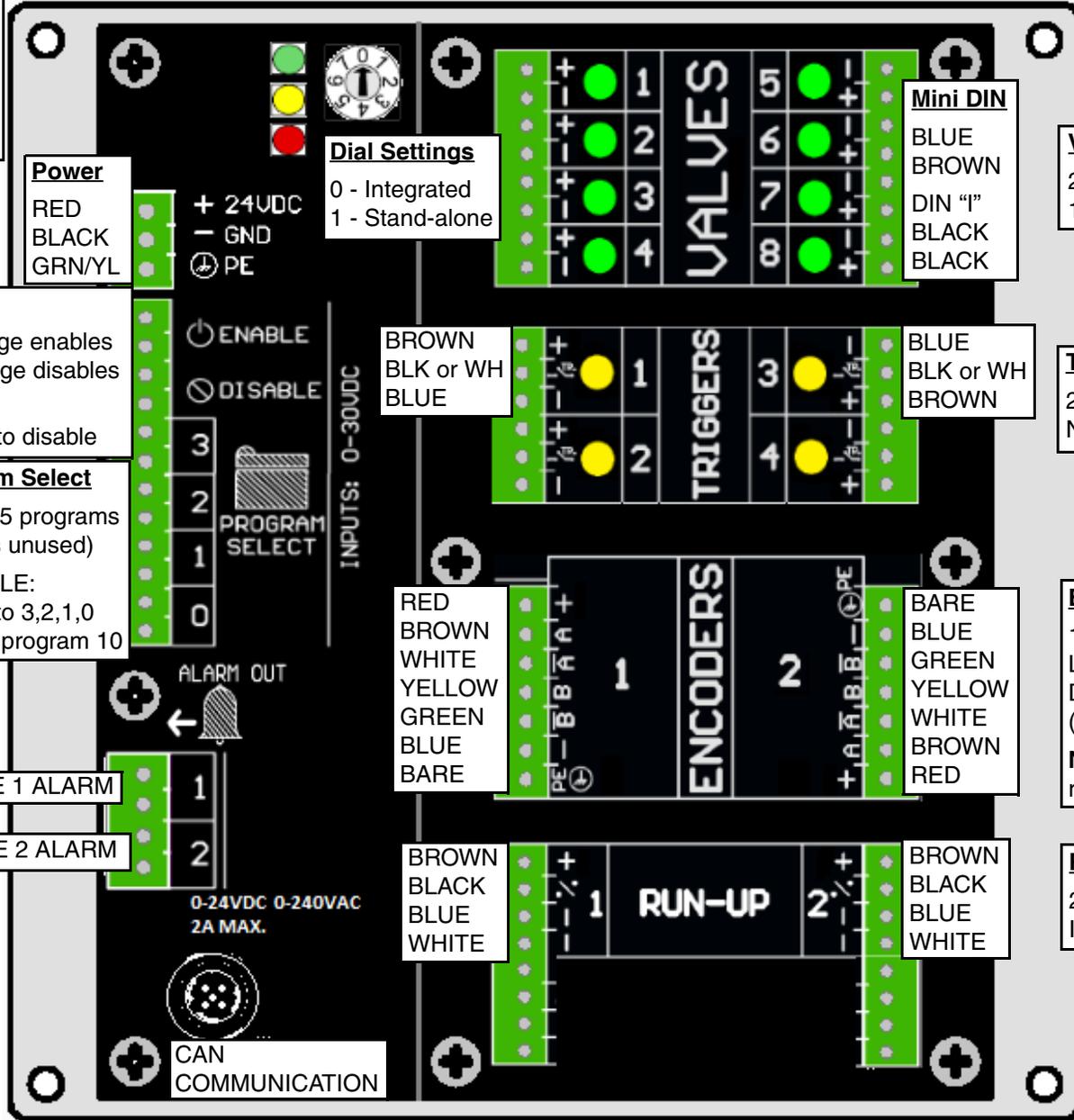
<p><b>Turn System On</b></p>		<h2 style="text-align: center;">Screen Navigation</h2> <h3>Integrated Systems</h3> <div style="border: 1px solid black; padding: 5px;"> <p><b>Run Screens</b></p> <p>PC Control   PC Home   ← Home →   Targets   Events   Errors   Diagnostics</p> <p style="text-align: center;">↑ ↓  Enter or Exit Setup</p> <p><b>Setup Screens</b></p> <p>PC Setup   ← System →   Advanced   Maintenance   Schedule</p> </div>	
<p><b>Turn System Off</b></p>	 - or - 		
<p><b>Select Program</b></p>	<ol style="list-style-type: none"> <li>1. Arrow left  to navigate to the “PC Control” screen.</li> <li>2. Enter the screen  and arrow up or down . Press  to select a program.</li> </ol>	<h3>Stand-Alone Systems</h3> <div style="border: 1px solid black; padding: 5px;"> <p><b>Run Screens</b></p> <p>PC Control   PC Home   ← Home →   Events   Errors</p> <p style="text-align: center;">↑ ↓  Enter or Exit Setup</p> <p><b>Setup Screens</b></p> <p>PC Setup   ← System →   Advanced</p> </div>	
<p><b>Clear Errors</b></p>	<p>Acknowledge errors by pressing  once for each error.</p> <p>Display will show “No Active Errors” unless error was unable to clear. Seek technical support if any error persists.</p>		

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# Wiring Installation

## Integrated InvisiPac Systems

- Use melter System Enable instead of this one
- Use this Disable to hold guns from dispensing without shutting off the heat.



**Power**  
RED  
BLACK  
GRN/YL

**Dial Settings**  
0 - Integrated  
1 - Stand-alone

**Mini DIN**  
BLUE  
BROWN  
DIN "1"  
BLACK  
BLACK

**Valves (Guns)**  
24 VDC  
1A max each

**Enable**  
Rising edge enables  
Falling edge disables  
**Disable**  
Pull high to disable

**PLC Inputs**  
0-30 VDC  
Bi-polar  
Isolated

**Program Select**  
4 bits, 15 programs  
(0000 is unused)  
EXAMPLE:  
1010 into 3,2,1,0  
Selects program 10

BROWN  
BLK or WH  
BLUE

BLUE  
BLK or WH  
BROWN

**Triggers**  
24 VDC  
NPN, PNP, Dry Contact

RED  
BROWN  
WHITE  
YELLOW  
GREEN  
BLUE  
BARE

BARE  
BLUE  
GREEN  
YELLOW  
WHITE  
BROWN  
RED

**Encoders**  
15 VDC  
Line driver (RS422)  
Differential A/B signals  
(Z is not used)  
**NOTE:** Swap A with B to reverse direction

**Alarm Outputs**  
0-30 VDC or 0-240 VAC  
Dry contact output  
No alarm: closed  
Alarm: open

LINE 1 ALARM

LINE 2 ALARM

BROWN  
BLACK  
BLUE  
WHITE

BROWN  
BLACK  
BLUE  
WHITE

**Run Ups**  
24 VDC  
I/P or V/P

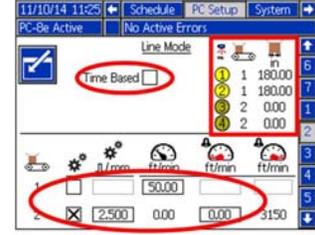
<b>Line Mode</b>	<b>2.</b>	<b>No Encoder</b> <ul style="list-style-type: none"> <li>Check time based or distance mode.</li> <li>Un-check encoder box (PC-8e only) .</li> <li>Set fixed speed  to adjust last measured product length .</li> </ul>	<b>Encoder (PC-8e only)</b> <ul style="list-style-type: none"> <li>Un-check time based mode.</li> <li>Check encoder box .</li> <li>Set pulses per mm  to adjust last measured product length .</li> <li>Set low line speed advisory level .</li> </ul>
		<b>Trigger Setup</b> <ul style="list-style-type: none"> <li>Set trigger polarity <math>\pm</math>. Indicators show on  or off .</li> <li>Assign to line 1 or 2 (PC-8e only) .</li> </ul>	
<b>General</b>	<b>4.</b>	<b>No Run Up</b> <ul style="list-style-type: none"> <li>Disable pressure compensation.</li> <li>Enable or disable modulated bead (PC-8e only).</li> </ul>	<b>Run Up (PC-8e only)</b> <ul style="list-style-type: none"> <li>Enable pressure compensation.</li> </ul>
		<b>Gun (Valve) Setup</b> <ul style="list-style-type: none"> <li>Set gun open  and  close compensation</li> <li>~5ms for high speed guns</li> <li>~10ms for standard guns</li> </ul> <p><b>NOTE:</b> Applies to high speed lines requiring precise beads.</p>	
<b>Run Up Control</b>	<b>6.</b>	<b>Set Modulated Bead Curve</b> <ul style="list-style-type: none"> <li>Set output value % at line speed .</li> <li>Set max and min .</li> </ul>	<b>Set Run Up Curve</b> <ul style="list-style-type: none"> <li>Set output value % at line speed .</li> <li>Set max and min .</li> </ul>

## PC Setup Screens

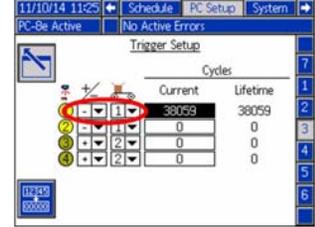
### 1. Event Map



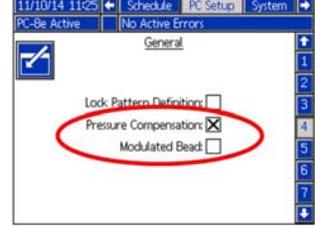
### 2. Line Mode



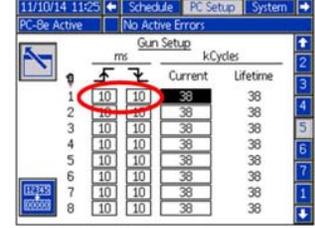
### 3. Trigger Setup



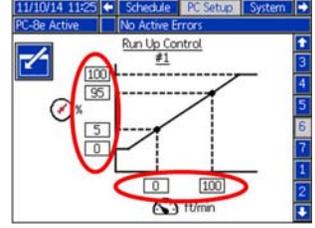
### 4. General



### 5. Gun (Valve) Setup



### 6. Run Up Control



<h3>Select Program</h3>	<p><b>Select and Name Programs</b></p> <ol style="list-style-type: none"> <li>1. Enter page  to select program to edit.</li> <li>2. Name program .</li> <li>3. Copy  or delete  program.</li> </ol> <p><b>Tips</b></p> <ul style="list-style-type: none"> <li>• Copy existing to start new programs</li> <li>• Make backup copies before editing</li> </ul>			
<h3>Enter Event Map</h3>	<p><b>Set Up Even Map</b></p> <ol style="list-style-type: none"> <li>1. Assign triggers to valve .</li> <li>2. Set gun-to-trigger offset .</li> <li>3. Set minimum box length (optional) .</li> <li>4. Enable or disable pattern mirroring .</li> <li>5. Set stitch savings  and interval .</li> </ol>			
<h3>Define Pattern</h3>	<p><b>Enter Bead Information</b></p> <ol style="list-style-type: none"> <li>1. Enter page , use arrows  and press enter  to edit beads.</li> <li>2. Offset from start of product .</li> <li>3. Length of bead .</li> <li>4. Stitched or not <input type="checkbox"/>.</li> </ol> <p><b>NOTE:</b> Stitch option not shown when savings on Event Map is set to 0%.</p> <ol style="list-style-type: none"> <li>5. Confirm changes <input checked="" type="checkbox"/>.</li> </ol> <p><b>Preview Pattern</b> </p> <ul style="list-style-type: none"> <li>• See which beads are solid or stitched</li> <li>• View endpoint of last bead on each gun</li> <li>• View trigger assignment (red if none)</li> </ul>			