WELDER INTERLOCK
Reduces Power Requirements

Features

• Operating Voltage – 120, 240, 380, 480, 575

• Interlocks 2 to 8 controls in one cabinet.

• Field expandable; i.e, order as a 4 Welder Interlock, expand to 8 as needed.

• Can be cascaded to interlock any number of controls.

• Solid state and mechanical relays available in various combinations.

Capabilities

• Interlock welding machines so only one weld control can weld at a time.

• When used with ENTRON Controls, Squeeze and Hold can be removed from cycle time.

• Can also be used to sequence multiple controls on one machine in single or 3-phase cascade.

• Field or factory customizable for interface to most any weld control with pressure switch input and valve output.

• Reduction of Peak Demand Costs

• Eliminate Simultaneous Welding of Multiple Machines

• Simple to Use

• New Design Reduces Cost

• Quality Tested to Performance Extremes

• Application Flexibility

• Designed to Reduce Scan/Cycle Time when used with EN1000 and EN1001 Series Controls

Exclusive ENTRON two year warranty
Advantages

• Reduction of Peak Demand Costs
• Design Simplicity
• Field Expandable
• NEMA Type 1 Cabinet
• Flexible Applications
• No Programming Required
• Solid State Relays Provide Long Life

INPUT/OUTPUT RELAY OPTIONS

Welder Interlock uses valve output of weld control as request to weld (CRI). Welder Interlock uses pressure switch input of weld control as a grant to weld (CRO). Standard Interlock comes with Option K relays (mechanical contact CRO) installed unless a different option is specified. Choose relays from chart for other combinations as requirements dictate. See Instruction Manual 700200 for more details.

<table>
<thead>
<tr>
<th>OPTION</th>
<th>VALVE INPUT VOLTAGE</th>
<th>P/N</th>
<th>COLOR</th>
<th>PS OUTPUT VOLTAGE</th>
<th>P/N</th>
<th>COLOR</th>
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<td>314028</td>
<td>Yellow</td>
<td>3–60 VDC</td>
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<td>Red</td>
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<tr>
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<td>Yellow</td>
<td>24–280 VAC</td>
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<td>24–280 VAC</td>
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<td>Black</td>
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<tr>
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<td>3–60 VDC</td>
<td>314025</td>
<td>Red</td>
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<tr>
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<td>3–200 VDC</td>
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<td>Yellow</td>
<td>3–200 VDC</td>
<td>314032</td>
<td>Red</td>
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<td>K</td>
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<td>Yellow</td>
<td>0–120 VDC, 0.5A*</td>
<td>314052</td>
<td>Red</td>
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<tr>
<td>L</td>
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<td>Yellow</td>
<td>0–120 VDC, 0.5A*</td>
<td>314052</td>
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<td>314052</td>
<td>Red</td>
</tr>
</tbody>
</table>

*mechanical contact

PRIORITY SELECTION

Allows one welder to have priority over all others. Uses a rotary switch to set priority.

USING WELDER INTERLOCKS IN 3-PHASE SYSTEMS

When more controls are to be interlocked in 3-phase systems, the system can be configured using three groups of welding controls. It is not necessary for three Welder Interlocks to be interconnected, although it is possible.