COMPETITIVE COMPARISON
PLUG-IN THREE-PHASE MONITOR RELAYS

COMMON FEATURES
- Protects against phase loss, phase reversal, phase unbalance, undervoltage & overvoltage conditions along with rapid cycling
- Line-Line Voltage can be adjusted with power applied
- Works on 50/60 Hz only
- Adjustable settings for Line-Line Voltage, Restart Delay (except SSAC PMLU11), Trip Delay & Unbalance settings
- 8 pin plug-in with SPDT output contacts

COMPETITIVE COMPARISON

<table>
<thead>
<tr>
<th>Feature</th>
<th>Macromatic PMPU</th>
<th>Symcom 201A-AU</th>
<th>SSAC PLMU11</th>
<th>Diversified SLU-100-ASA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line-Line Voltage Range</td>
<td>190-500V AC</td>
<td>190-480V AC</td>
<td>200-480V AC</td>
<td>208-500V AC</td>
</tr>
<tr>
<td>120V &amp; 575V Versions</td>
<td>(2) 190-250V &amp; 380-500V Both 50 &amp; 60 Hz</td>
<td>(2) 190-240V &amp; 380-480V Both 50 &amp; 60 Hz</td>
<td>(2) 190-240V &amp; 380-480V Both 50 &amp; 60 Hz</td>
<td>(4) 208-240V 50 Hz only, 208-240V 60 Hz only, 346-415V 50 Hz only &amp; 380-480V 60 Hz only</td>
</tr>
<tr>
<td>120V &amp; 575V Versions</td>
<td>Yes</td>
<td>575V Only</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Adjustable Undervoltage Trip Setting</td>
<td>Yes 80-95% of the Line-Line Voltage setting</td>
<td>No Fixed at 90% of Line-Line Voltage setting</td>
<td>No Fixed at 90% of Line-Line Voltage setting</td>
<td>No Fixed at 90% of Line-Line Voltage setting</td>
</tr>
<tr>
<td>Fully Functional with Lost Phase</td>
<td>Yes—LED remains indicating &amp; voltage continues to be monitored</td>
<td>No—LED may turn off &amp; voltage will not be monitored</td>
<td>No—LED may turn off &amp; voltage will not be monitored</td>
<td>No—LED may turn off &amp; voltage will not be monitored</td>
</tr>
<tr>
<td>Manual Reset</td>
<td>Yes</td>
<td>No, onboard only</td>
<td>No manual reset offered</td>
<td>No, onboard only</td>
</tr>
<tr>
<td>Full Fault Indication</td>
<td>Yes</td>
<td>Yes</td>
<td>Partially</td>
<td>No</td>
</tr>
<tr>
<td>Contact Ratings</td>
<td>10A @ 277V AC 7A @ 30V DC 1hp @ 250V AC / 1/2 hp @ 125V AC C300 Pilot Duty</td>
<td>10A General Purpose @ 240VAC No DC Rating No HP Rating B300 Pilot Duty</td>
<td>10A Resistive @ 240VAC No DC Rating 1/3 hp @ 240V AC / 1/4 hp @ 120V AC No Pilot Duty Rating</td>
<td>10A Resistive @ 240VAC No DC Rating 1/2 hp @ 240V No Pilot Duty Rating</td>
</tr>
<tr>
<td>Macromatic Advantage</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

MACROMATIC ADVANTAGES

• **LINE-LINE VOLTAGE RANGE**
The wider the voltage range, the greater the number of applications that can be supported with only one unit.

• **LINE-LINE VOLTAGE SCALES**
Fewer scales that work on both 50 & 60 Hz are less confusing, easier to read and make setup straightforward.

• **SEPARATE 120V & 575V VERSIONS**
Love the features and benefits of the PMPU? Get all the same for other voltage systems.

• **ADJUSTABLE UNDERVOLTAGE TRIP SETTING**
An adjustable range vs. fixed provides greater flexibility to set accurate undervoltage trip point & avoid nuisance tripping.

• **FULLY FUNCTIONAL EVEN WITH LOST PHASE**
While other units may stop operating, the PMPU continues to monitor voltage and provide LED status to aid in troubleshooting.

• **MANUAL RESET—WORKS WITH EXTERNAL SWITCH**
Allows the unit to be safely & easily reset from outside the enclosure with a remote button instead of opening the door and reaching in to find a top-mounted switch or button on the unit.

• **FULL FAULT INDICATION**
Full fault indication with bi-color LED on top of unit. A dedicated color and pattern for each fault instead of only one color representing 3 or 4 faults—aids in troubleshooting.

• **CONTACT RATING**
The better the contact ratings, the greater the number of applications that can be met with only one unit & the greater the reliability of the output contacts.

• **ROHS COMPLIANT**
Macromatic is committed to protecting the environment.