### Automatic Transfer Switch Controllers

#### Dual power supply module

<table>
<thead>
<tr>
<th>Order code</th>
<th>Description</th>
<th>Qty per pack</th>
<th>Wt [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATL DPS1</td>
<td>For controlling and selecting supply for motorised breakers/switches, 110...230VAC configurable</td>
<td>1</td>
<td>0.500</td>
</tr>
</tbody>
</table>

#### General characteristics

ATL DPS1 is capable of measuring and controlling voltages at its inputs selecting the most ideal to connect to the output. It is suitable to supply motorised circuit breakers and changeover switches in automatic switching systems of 2 three phase supply lines. The two voltage inputs of the module are independent and insulated; each is capable of supplying the internal measuring circuit managed by the microcontroller. It reduces the number of components and improves installation safety.

Main ATL DPS1 features include:

- Voltage value selectable via bypass terminals
- Minimum and maximum voltage tripping thresholds
- 2 single phase L+N inputs
- 1 single phase L+N output
- L1 priority line
- Use with motorised control units powered at 110VAC or 230VAC
- Output voltage monitoring
- Internal relay self-diagnosis
- Indicating LEDs for abnormal conditions and status of inputs and outputs.

#### Operational characteristics

- Rated supply voltage: 110...230VAC configurable
- Frequency: 50/60Hz
- Input voltage range: 80...300VAC
- Voltage tripping thresholds min / max: 80% and 120% set value
- 2 line inputs L1-L2: Single phase, between phase and neutral
- Current output: 4A max.
- Priority line: L1 when both input values are within limits
- Fixed delay time between line switching: 0.5s
- 4 status indication LEDs for voltage of each line within limits, voltage present at output, relay output anomaly
- Mounting: 35mm DIN rail (IEC/EN 60715) or screw-type by means of removable clips
- Modular housing, 3-module
- Protection rating: IP40 on front; IP20 at rear.

#### Certifications and compliance

Certifications obtained: cULus, EAC, RCM.

### ATL DPS1

#### Dual power supply module

<table>
<thead>
<tr>
<th>Status Line 1</th>
<th>LED Line 1</th>
<th>Status Line 2</th>
<th>LED Line 2</th>
<th>Output</th>
<th>LED Output</th>
<th>ATL DPS1</th>
<th>Alarm contact</th>
<th>LED Fault</th>
</tr>
</thead>
<tbody>
<tr>
<td>OK</td>
<td>ON</td>
<td>MIN OR MAX</td>
<td>OFF</td>
<td>ON - from line 1</td>
<td>ON</td>
<td>ON - OK</td>
<td>Closed</td>
<td>OFF</td>
</tr>
<tr>
<td>OK</td>
<td>ON</td>
<td>OK</td>
<td>ON</td>
<td>ON - from line 1</td>
<td>ON</td>
<td>ON - OK</td>
<td>Closed</td>
<td>OFF</td>
</tr>
<tr>
<td>&lt;MIN OR MAX</td>
<td>OFF</td>
<td>OK</td>
<td>ON</td>
<td>ON - from 2</td>
<td>ON</td>
<td>ON - OK</td>
<td>Closed</td>
<td>OFF</td>
</tr>
<tr>
<td>&lt;MIN</td>
<td>OFF</td>
<td>&lt;MIN</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>Open</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>&gt;MAX</td>
<td>OFF</td>
<td>&gt;MAX</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>Open</td>
<td></td>
</tr>
<tr>
<td>&gt;MIN</td>
<td>ON</td>
<td>OK</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON - Fault</td>
<td>Internal relays</td>
<td>Open</td>
</tr>
<tr>
<td>OK</td>
<td>ON</td>
<td>&lt;MIN OR MAX</td>
<td>OFF</td>
<td>OFF</td>
<td>ON - Fault</td>
<td>Internal relays</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>&lt;MIN OR &gt;MAX</td>
<td>OFF</td>
<td>&gt;MIN</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>Open</td>
<td>Internal relays</td>
<td>ON</td>
</tr>
</tbody>
</table>

#### Using the thresholds above ATL DPS1 outputs one of the power supplies available according to the logic shown in the table: