Current Switches with Relay: Adjustable Trip Point, High Voltage Output

Hawkeye Relay Combination Series high voltage output current switches are the ideal solution for the automation installer. These units combine a current switch and relay into a single package, reducing the space required for total control of fans and pumps. The integrated current switch and relay operate independently of one another. All relay connections are externally available for maximum flexibility.

These products perform the functions of start/stop and status monitoring with one device instead of two.

APPLICATIONS
- Starting/stoping and monitoring positive status of motors
- Detecting belt loss and coupling shear

Now — one device does the job of two
- Reduced charges from electrician
- Relay and status LEDs for easy setup
- Polarity insensitive status output
- Adjustable trip point for current sensor status
- 5-year limited warranty

Hawkeye Relay Combination Series

Combines command relay & fan/pump status sensor in a single, easy to install unit
- Reduces number of components installed—fits better in small starter enclosures
- Command relay and status in a single unit
- Easier to install than differential pressure switches...no additional wiring needed
- Detect belt loss and motor failure...ideal for fan and pump status
- Bracket on H939, H949, and H959 can be installed in three different configurations...added flexibility
- H749 and H949 feature SPDT command relay

Specs:
- 5-year limited warranty
- Adjustable trip point for current sensor status
- Easier to install than differential pressure switches...no additional wiring needed
- Bracket on H939, H949, and H959 can be installed in three different configurations...added flexibility
- H749 and H949 feature SPDT command relay

Applications:
- Starting/stoping and monitoring positive status of motors
- Detecting belt loss and coupling shear

Current sensing

- Calibrated
- Fan/pump
- On
- Electrical
- Failure
- Off
- Loss of belt/coupling shear
- Off

Now you can easily detect when drive belts slip, break, or pump couplings shear. In fact, a typical HVAC motor that loses its load has a reduction of current draw of up to 50%. That’s why our sensors are the industry standard for status.

REMY CONTACT RATINGS

<table>
<thead>
<tr>
<th>Hx3x, Hx5x (SPST, N.O.)</th>
<th>Resistive</th>
<th>Inductive</th>
</tr>
</thead>
<tbody>
<tr>
<td>10A@250VAC, 30VDC</td>
<td>10mA</td>
<td>10mA</td>
</tr>
<tr>
<td>5A@250VAC, 30VDC</td>
<td>20mA</td>
<td></td>
</tr>
<tr>
<td>Hx4x (SPDT)</td>
<td>Resistive</td>
<td>Inductive</td>
</tr>
<tr>
<td>8A@250VAC, 30VDC</td>
<td>10mA</td>
<td>3.5A@250VAC, 30VDC</td>
</tr>
<tr>
<td>3.5A@250VAC, 30VDC</td>
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</tbody>
</table>

TYPICAL COIL PERFORMANCE

<table>
<thead>
<tr>
<th>Voltage</th>
<th>AC</th>
<th>DC</th>
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</thead>
<tbody>
<tr>
<td>24V</td>
<td>10mA</td>
<td>10mA</td>
</tr>
<tr>
<td>12V</td>
<td>20mA</td>
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**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AMPERAGE RANGE</th>
<th>STATUS OUTPUT (max.)</th>
<th>MIN. TRIP POINT</th>
<th>RELAY TYPE</th>
<th>RELAY COIL</th>
<th>HOUSING</th>
<th>STATUS LED</th>
<th>RELAY POWER LED</th>
<th>UL</th>
</tr>
</thead>
<tbody>
<tr>
<td>H739</td>
<td>1 - 135A</td>
<td>N.O. 0.2A@120VAC/DC</td>
<td>1A or less</td>
<td>SPST, N.O.</td>
<td>24VAC/DC</td>
<td>Solid-core</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>H749</td>
<td>1 - 135A</td>
<td>N.O. 0.2A@120VAC/DC</td>
<td>1A or less</td>
<td>SPDT</td>
<td>24VAC/DC</td>
<td>Solid-core</td>
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<td></td>
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</tr>
<tr>
<td>H939</td>
<td>2.5 - 135A</td>
<td></td>
<td>2.5A or less</td>
<td>SPST, N.O.</td>
<td>24VAC/DC</td>
<td>Split-core</td>
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<tr>
<td>H949</td>
<td>2.5 - 135A</td>
<td></td>
<td>2.5A or less</td>
<td>SPDT</td>
<td>24VAC/DC</td>
<td>Split-core</td>
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<tr>
<td>H959</td>
<td>2.5 - 135A</td>
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<td>2.5A or less</td>
<td>SPST, N.O.</td>
<td>12VDC nom.</td>
<td>Split-core</td>
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</tbody>
</table>

**ACCESSORIES**

DIN Rail Clip Set, DIN Rail, and DIN Stop Clip...see page 219.