Field Mount Motor Control Device

The Hawkeye 5xx Series combines an industrial grade load-switching relay, current status switch, and Hand-Off-Auto (HOA) switch in an easy-to-install remote enclosure, making the series ideal for monitoring, directly controlling, and troubleshooting the control wiring of fractional horsepower motors.

The relay, current sensor, and HOA switch are combined in a series circuit. Once an H5xx is wired in series between the power source and motor, all three components are installed. The housing provides physical separation and multiple wiring exits to isolate control and high voltage wiring. An H500 can be mounted directly on 2- or 4-gang junction boxes, nippled to a field enclosure, or stand alone.

**APPLICATIONS**
- Monitoring status and controlling small motor loads that are not driven by a motor starter or contactor
  - Exhaust fans
  - Unit ventilators
  - Fan terminal units
  - Fan coil units
  - Recirculating pumps

**RELAY CONTACT RATINGS**

**SPDT (NS) Models**
- Resistive........15A@277VAC
- Motor..........1HP@120VAC
  1.5HP@277VAC

**SPST (HOA) Models**
- Resistive........15A@250VAC
- Motor..........1HP@120VAC

**TYPICAL COIL PERFORMANCE**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>AC</th>
<th>DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>24V</td>
<td>36mA</td>
<td>36mA</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Sensor Power**: Induced from monitored conductor
- **Frequency Range**: 50/60Hz
- **Humidity Range**: 10 - 90% RH, non-condensing
- **Temperature Range**: -15° to 50°C (5° to 122°F)
- **Agency Approvals**: UL 508 enclosed device listing

Do not use the LED status indicators as evidence of applied voltage.

**U.S Patent No. 431,534**

**COMBINATION SWITCHING RELAY, CURRENT STATUS SWITCH, & HOA SWITCH**

- 5 Year Warranty
- SPST relay only with HOA: H535NS
- SPST relay only: H540
- SPST relay with fixed current sensor and HOA: H540NS
- SPST relay with fixed current sensor: H548
- SPST relay with adjustable current sensor and HOA: H548NS
- SPST relay with adjustable current sensor: H548NS

**Remote mounted current status sensor and command relay with or without HOA switch**
- Combines status sensor, command relay, and HOA switch in a single series circuit...one line connection for three devices
- Remote mounted enclosure eliminates the need to cram multiple devices into a junction box
- HOA provides true relay control...ideal for troubleshooting control wiring
- SPST relay is field-selectable for N.O. or N.C. operation

**Rated for a wide range of fractional HP motor applications**
- All models rated up to 1HP@120VAC, NS Versions 1HP@120VAC and 1.5HP@277VAC... one product for all fractional HP motor control and status applications

**Easy, flexible installation**
- Mounts directly on gang boxes, flush to existing enclosures or stand alone...maximum installation flexibility
- 5-year limited warranty

**CONTACT RATINGS**

- RELAY
  - Voltage: 24V
  - Current: 36mA

**电流感应开关, 当前状态开关, 及 HOA 开关**

- 5 年保修
- SPST 仅带 HOA：H535NS
- SPST 仅带：H540
- SPST 带固定电流传感器和 HOA：H540NS
- SPST 带固定电流传感器：H548
- SPST 带可调电流传感器和 HOA：H548NS
- SPST 带可调电流传感器：H548NS

- 远程安装的当前状态传感器和命令继电器，带有或不带有 HOA 开关
  - 在单个系列电路中结合传感器、命令继电器和 HOA 开关...单线连接三个设备
  - 远程安装的机箱消除了将多个设备塞入接线盒的需要
  - HOA 提供真正的继电器控制...非常适合用于故障排除控制布线
  - SPST 继电器可选的常开或常闭

- 适用于宽范围的千瓦电机应用
  - 所有型号均适用于 1HP@120VAC，NS 版本 1HP@120VAC 和 1.5HP@277VAC...一种产品用于所有千瓦电机控制和状态应用

- 简单、灵活的安装
  - 直接安装在电箱上，紧贴现有 enclosure 或独立...最大限度的安装灵活性
  - 5 年有限保修

**接触器规格**

- 电压：24V
- 电流：36mA
CURRENT MONITORING

ENCLOSURE
Nipple to Existing Enclosures

MOUNTING OPTIONS
Mounts directly on 2-gang junction box

Mounts directly on 4-gang junction box

APPLICATION/WIRING EXAMPLE

ORDERING INFORMATION

ACCESSORIES
Ground bonding kit...see page 219.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AMPERAGE RANGE</th>
<th>STATUS OUTPUT</th>
<th>TRIP POINT</th>
<th>RELAY</th>
<th>RELAY COIL</th>
<th>HOA SWITCH</th>
<th>STATUS LEDS</th>
<th>RELAY POWER LED</th>
<th>UL</th>
</tr>
</thead>
<tbody>
<tr>
<td>H53S</td>
<td>0.25 - 15A</td>
<td>Relay Only</td>
<td></td>
<td>SPST, Field-Selectable N.O/N.C.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H53NS</td>
<td>0.25 - 15A</td>
<td>Relay Only</td>
<td></td>
<td>SPST</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H540</td>
<td>0.25 - 15A</td>
<td>N.O., 1.0A@30VAC/DC</td>
<td>0.25A or less, Fixed</td>
<td>SPST, Field-Selectable N.O/N.C.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H540NS</td>
<td>0.25 - 15A</td>
<td>N.O., 1.0A@30VAC/DC</td>
<td>0.25A or less, Fixed</td>
<td>SPST</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H548</td>
<td>0.5 - 15A</td>
<td>N.O., 1.0A@30VAC/DC</td>
<td>0.5A or less, Adjustable</td>
<td>SPST, Field-Selectable N.O/N.C.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H548NS</td>
<td>0.5 - 15A</td>
<td>N.O., 1.0A@30VAC/DC</td>
<td>0.5A or less, Adjustable</td>
<td>SPST</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>