

# Current Switches with Relay: Fixed Trip Point

## Hx30/40/50 Series

**Hawkeye™**



### SPECIFICATIONS

**5 Year**  
Warranty

|                                 |                                                                           |
|---------------------------------|---------------------------------------------------------------------------|
| <b>Sensor Power</b>             | Induced from monitored conductor                                          |
| <b>Insulation Class</b>         | 600VAC RMS                                                                |
| <b>Temperature Range</b>        | -15° to 60°C (5° to 140°F)                                                |
| <b>Humidity Range</b>           | 10-90% RH non-condensing                                                  |
| <b>Frequency</b>                | 50/60 Hz                                                                  |
| <b>Terminal Block Wire Size</b> | 24-14 AWG (0.2 to 2.1 mm <sup>2</sup> )                                   |
| <b>Terminal Block Torque</b>    | 3.5 to 4.4 in-lbs (0.4 to 0.5 N-m)                                        |
| <b>Agency Approvals</b>         | UL 508 open device listing, CAT III, pollution degree 2, basic insulation |

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

### RELAY CONTACT RATINGS

|                                |                    |
|--------------------------------|--------------------|
| <b>Hx30, Hx50 (SPST, N.O.)</b> |                    |
| Resistive.....                 | 10A@250VAC, 30VDC  |
| Inductive.....                 | 5A@250VAC, 30VDC   |
| <b>Hx40 (SPDT)</b>             |                    |
| Resistive.....                 | 8A@250VAC, 30VDC   |
| Inductive.....                 | 3.5A@250VAC, 30VDC |

### TYPICAL COIL PERFORMANCE

| Voltage                 | AC   | DC      |
|-------------------------|------|---------|
| 24V.....                | 10mA | 10mA    |
| 12V (H750).....         |      | 20mA    |
| <b>Pull In Voltage</b>  |      |         |
| Hx30 .....              |      | 20.1VDC |
| Hx40 .....              |      | 20.1VDC |
| Hx50 .....              |      | 8.4VDC  |
| <b>Drop Out Voltage</b> |      |         |
| Hx30 .....              |      | 5.2VDC  |
| Hx40 .....              |      | 5.2VDC  |
| Hx50 .....              |      | 3.0VDC  |

## On/Off Status & Control In One Package

### FEATURES

- Reduce the number of installed components...saves time and space
- On/off status and command relay in a single labor and space saving device
- Cost-effectively monitor start/stop, unit vents, fan coils, exhaust fans, and other loads where belt loss is not a concern
- H740 and H940 feature a SPDT command relay
- No calibration required...easy setup and operation
- One device to install...reduces installation charges
- Easier to install than differential pressure switches...no tubing needed
- Removable mounting bracket for installation flexibility
- Bracket on H930, H940, and H950 can be installed in three different configurations...added flexibility
- 5-year warranty

### DESCRIPTION

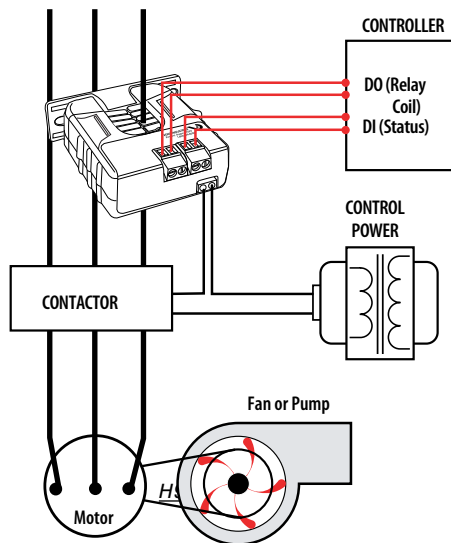
The Hawkeye Relay Combination Series combines an on/off status sensor and command relay in one package, saving the labor, wire runs, and space required to mount a separate relay. The switch and relay (not electrically connected) are in the same housing, saving space and cost. It is ideal for monitoring and controlling motors where belt loss is not a concern.

### APPLICATIONS

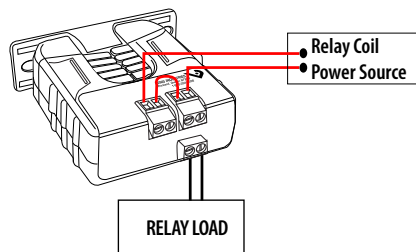
- Monitoring direct drive units, exhaust fans, and other fixed loads
- Monitoring on/off status of electrical loads
- Starting/stopping motors

## WIRING DIAGRAMS

Start/Stop Monitoring of Fan /Pump Motors

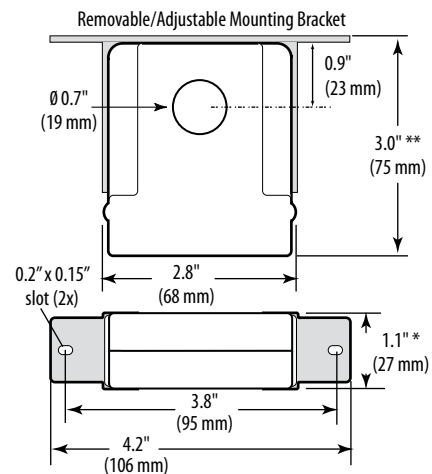


Relay Controlled Directly by Status Contacts

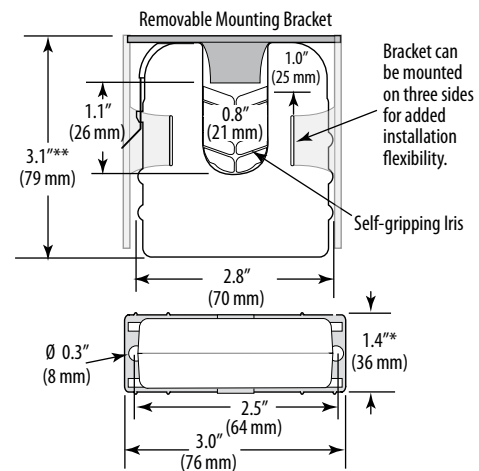


## DIMENSIONAL DRAWINGS

H730/740/750



H903/940/950



\* Terminal block may extend up to 1/8" over the height dimensions shown.

## ORDERING INFORMATION



| MODEL | AMPERAGE RANGE | STATUS OUTPUT (max.) | TRIP POINT   | RELAY      | RELAY COIL | HOUSING    | RELAY POWER LED | UL |
|-------|----------------|----------------------|--------------|------------|------------|------------|-----------------|----|
| H730  | 0.5 - 200A     | N.O. 1.0A@30VAC/DC   | 0.5A or less | SPST, N.O. | 24VAC/DC   | Solid-core | ●               | ●  |
| H740  | 0.5 - 200A     |                      | 0.5A or less | SPDT       | 24VAC/DC   | Solid-core | ●               | ●  |
| H750  | 0.5 - 200A     |                      | 0.5A or less | SPST, N.O. | 12VDC nom. | Solid-core | ●               | ●  |
| H930  | 1.5 - 200A     |                      | 1.5A or less | SPST, N.O. | 24VAC/DC   | Split-core | ●               | ●  |
| H940  | 1.5 - 200A     |                      | 1.5A or less | SPDT       | 24VAC/DC   | Split-core | ●               | ●  |
| H950  | 1.5 - 200A     |                      | 1.5A or less | SPST, N.O. | 12VDC nom. | Split-core | ●               | ●  |

## ACCESSORIES

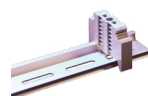
DIN Rail Clip Set (AH01)  
DIN Rail (AV01) and DIN Stop Clip (AV02)



AH01



AV01



AV02