



# Current Switches: Adjustable Trip Point

## Hx08 Series & H701

### SPECIFICATIONS

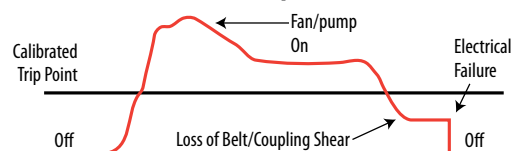
**5 Year**  
Warranty

|                                                                         |                                                                                                |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Sensor Power</b>                                                     | Induced from monitored conductor                                                               |
| <b>Insulation Class</b>                                                 | 600VAC RMS (UL), 300VAC RMS (CE)                                                               |
| <b>Frequency Range</b>                                                  | 50/60 Hz, On/Off status for Variable Frequency Drive (VFD) outputs at 12 to 115 Hz*            |
| <b>Temperature Range</b>                                                | -15° to 60°C (5° to 140°F)                                                                     |
| <b>Humidity Range</b>                                                   | 10-90% RH, non-condensing                                                                      |
| <b>Hysteresis</b>                                                       | 10% (typical)                                                                                  |
| <b>Terminal Block Wire Size</b><br>H608, H701, H708, H808, H908<br>H308 | 24-14 AWG (0.2 to 2.1 mm <sup>2</sup> );<br>22-16 AWG (0.3 to 1.3 mm <sup>2</sup> )            |
| <b>Terminal Block Torque</b><br>H608, H701, H708, H808, H908<br>H308    | 3.5 to 4.4 in-lbs (0.4 to 0.5 N-m);<br>7 in-lbs (0.8 N-m)                                      |
| <b>Agency Approvals</b>                                                 | UL 508 open device listing; CE:<br>EN61010-1, CAT III, pollution degree 2,<br>basic insulation |

Do not use the LED status indicators as evidence of applied voltage.  
If using this switch in an application that includes an electronically commutated motor (ECM), see Veris Application Note VN61, at [www.veris.com](http://www.veris.com).  
\* VFD systems generate fields that can disrupt electrical devices. Ensure that these fields are minimized and are not affecting the sensor.



### DETECTS BELT LOSS/COUPLING SHEAR!



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.

## Detect Belt Loss, Coupling Shear, And Mechanical Failure

### FEATURES

- High performance devices in split- and solid-core housings
- Adjustable trip point...precise current trip point setting
- Minimum trip point as low as 0.5 A (H608)...avoids the need for multiple wraps of the conductor through the sensor even on loads as small as 1/5 HP
- Small size...fits easily inside small enclosures
- Self-gripping iris on split-core housings for easy installation
- Status LEDs available for easy setup and local indication
- Bracket on H908 can be installed in three different configurations...installation flexibility in tight spaces
- 1 Amp status output...increased application flexibility
- All devices are 100% solid state for high reliability and polarity insensitive for trouble-free installation, with a 5-year warranty

### DESCRIPTION

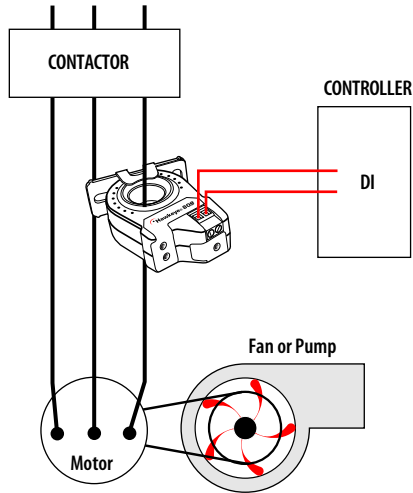
**Hx08 Series** and **H701** adjustable current switches offer high performance, with a wide array of amperage range options. These products can accurately detect belt loss, coupling shear, or other mechanical failure on unit vents, exhaust fans, recirculation pumps, and other fixed loads down to as little as 1/5 HP.

### APPLICATIONS

- Detecting belt loss, coupling shear, and mechanical failure
- Verifying lighting circuit and other electrical service run times
- Monitoring status of industrial process equipment
- Monitoring status of critical motors (compressor, fuel, etc.)
- VFD output On/Off status

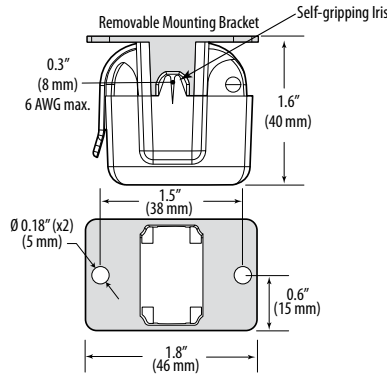
## WIRING DIAGRAM

Monitoring Fan / Pump Motors for  
Positive Proof of Flow

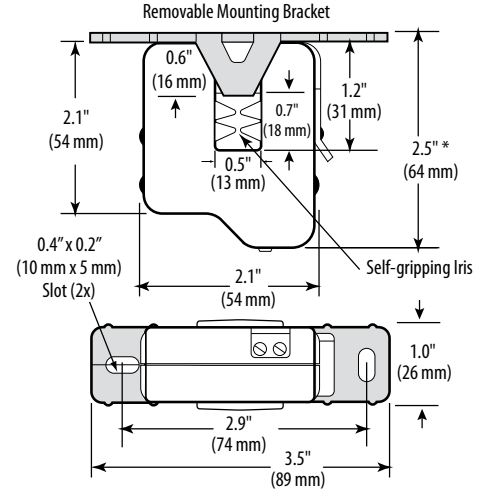


## DIMENSIONAL DRAWINGS

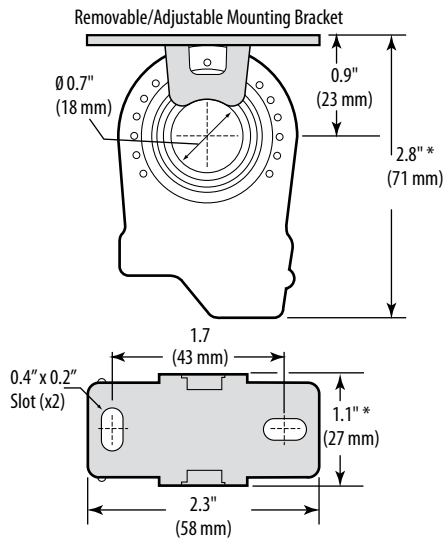
H308



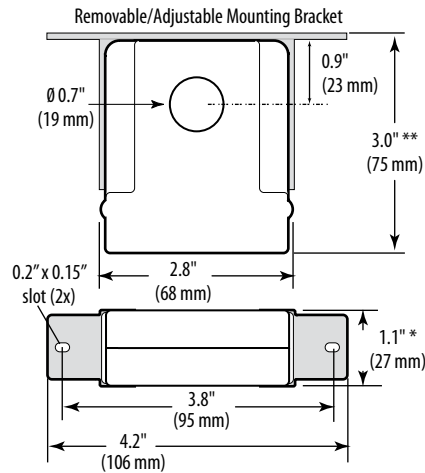
H608



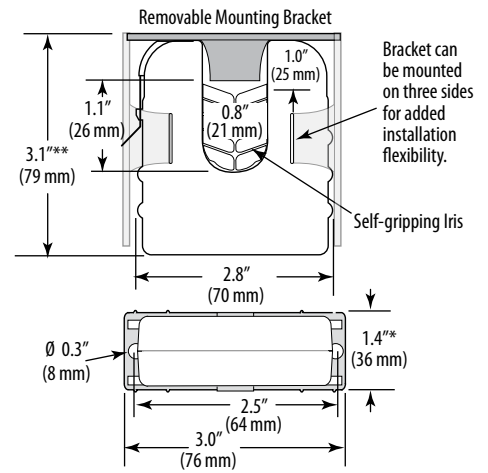
H808



H708/701



H908



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

## ORDERING INFORMATION



| MODEL | AMPERAGE RANGE<br>@ 50/60 Hz only | STATUS OUTPUT<br>(max.) | MIN. TRIP<br>POINT | HOUSING    | STATUS<br>LED | UL             | CE | RoHS |
|-------|-----------------------------------|-------------------------|--------------------|------------|---------------|----------------|----|------|
| H308  | 0.75 - 50A                        | N.O. 1.0A@30VAC/DC      | 0.75A or less      | Split-Core | ●             | ● <sup>2</sup> | ●  | ●    |
| H608  | 0.5 - 175A                        |                         | 0.5A or less       | Split-Core | ●             | ● <sup>1</sup> | ●  | ●    |
| H701  | 1 - 135A                          |                         | 1.0A or less       | Solid-Core | ●             | ●              | ●  | ●    |
| H708  | 1 - 135A                          |                         | 1.0A or less       | Solid-Core | ●             | ●              | ●  | ●    |
| H808  | 0.75 - 50A                        |                         | 0.75A or less      | Solid-Core | ●             | ●              | ●  | ●    |
| H908  | 2.5 - 135A                        |                         | 2.5A or less       | Split-Core | ●             | ●              | ●  | ●    |

1 Listed for use on 75°C insulated conductors.  
2 Product provides functional insulation only.

## ACCESSORIES

DIN Rail Clip Set (AH01 for H6xx, H8xx, H9xx;  
AH27 for H3xx) DIN Rail (AV01) and  
DIN Stop Clip (AV02)



AH27



AH01



AV01



AV02