

# Current Switches: Adjustable Trip Point

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



### 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 loads from 1/5 to 100 HP.

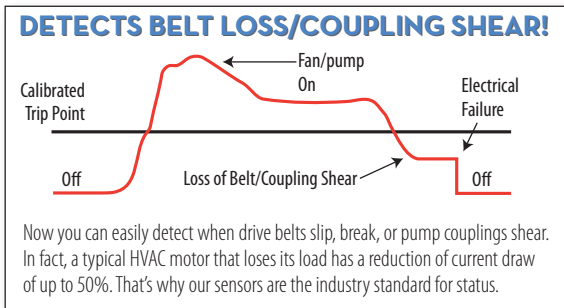
### APPLICATIONS

- 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.)

### FEATURES

- High performance devices in split- and solid-core housings
- Adjustable trip point...precise current trip point setting
- Minimum trip point as low as 0.5A (H608)...eliminates 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 the split-core housing 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

CURRENT MONITORING



**MechTronics**  
Controls

[www.hvacusa.com](http://www.hvacusa.com)

Phone (877) 632-4876

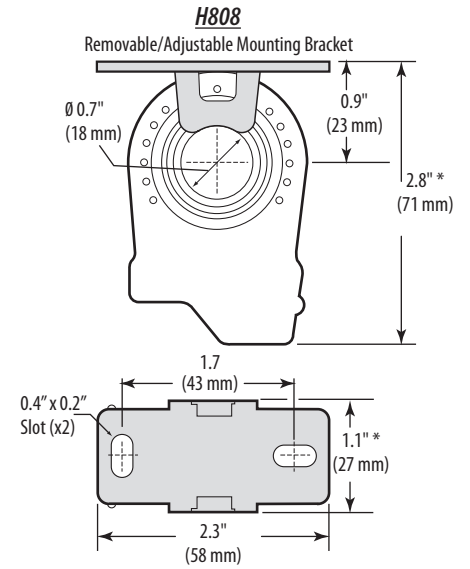
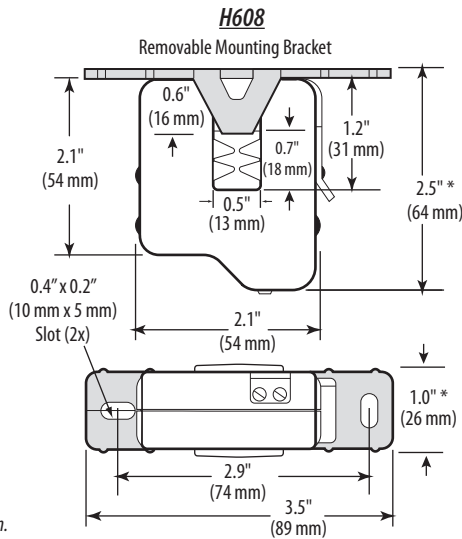
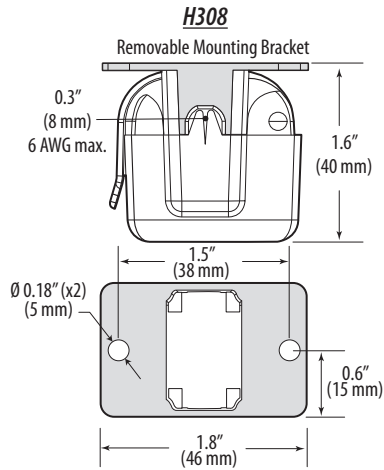
### SPECIFICATIONS



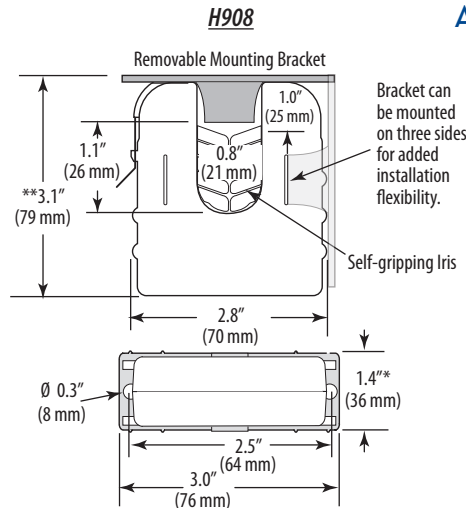
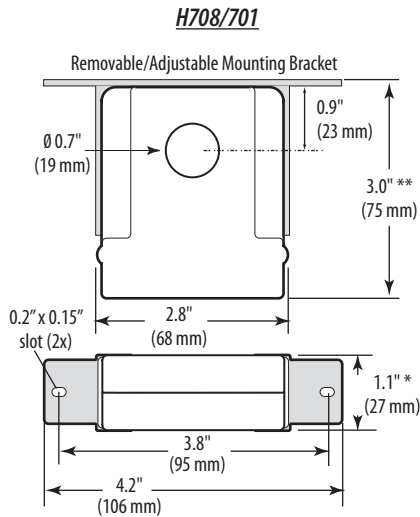
Sensor Power	Induced from monitored conductor
Insulation Class	600VAC RMS (UL), 300VAC RMS (CE)
Frequency Range	50/60 Hz
Temperature Range	-15° to 60°C (5° to 140°F)
Humidity Range	10-90% RH, non-condensing
Hysteresis	10% (typical)
Terminal Block Maximum Wire Size	14 AWG (16 AWG for H308)
Terminal Block Torque (nominal)	4 in-lbs (7 in-lbs for H308)

UL 508 open device listing; CE: EN61010-1:2001-02, CAT III, deg. 2, basic insulation  
Do not use the LED status indicators as evidence of applied voltage.

## DIMENSIONAL DRAWINGS

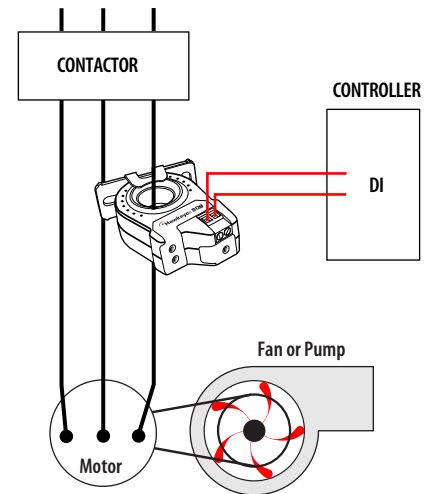


\* Terminal block may extend up to 1/8" over the height dimensions shown.



## APPLICATION/WIRING DIAGRAM

### Monitoring Fan / Pump Motors for Positive Proof of Flow



## ORDERING INFORMATION



MODEL	AMPERAGE RANGE	STATUS OUTPUT (max.)	MIN. TRIP POINT	HOUSING	STATUS 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	●	●	●	●

For high voltage outputs, see page 26.

<sup>1</sup> Listed for use on 75°C insulated conductors.

<sup>2</sup> Product provides functional insulation only.

## ACCESSORIES

DIN Rail Clip Set (AH01, AH27)  
DIN Rail (AV01) and DIN Stop Clip (AV02)

