

HX06 SERIES

Detect Belt Loss, Coupling Shear, and Mechanical Failure



Hawkeye x06 Series solid- and split-core current switches provide accurate, reliable, and maintenance-free fan and pump status indication where an NC output is needed.

SPECIFICATIONS

| | |
|--------------------------|--|
| Sensor Power | 5 to 30 Vdc |
| Insulation Class | 600 Vac RMS (UL), 300 Vac RMS (CE) |
| Temperature Range | -15 to 60 °C (5 to 140 °F) |
| Humidity Range | 10 to 90% RH non-condensing |
| Hysteresis | 10% Typical |
| Off State Leakage | 34 µA @ 5 Vdc, 200 µA @ 30 Vdc |
| On State Voltage Drop | 1.9 Vdc max@ 0.1 A |
| Terminal Block Wire Size | H300: 22 to 16 AWG (0.3 to 1.3 mm ²) Others: 24 to 14 AWG (0.2 to 2.1 mm ²) |
| Terminal Block Torque | H300: 7 in-lbs (0.8 N-m) Others: 3.5 to 4.4 in-lbs (0.4 to 0.5 N-m) |

WARRANTY

Limited Warranty 5 years

AGENCY APPROVALS

Agency Approvals UL 508 open device listing; CE: EN61010-1, CAT III, Pollution Degree 2, basic insulation



Note: Do not use the LED status indicators as evidence of applied voltage. (a) VFD systems generate fields that can disrupt electrical devices. Ensure that these fields are minimized and are not affecting the sensor.

Adjustable trip point

Versatility with four available amperage ranges

No tubing needed

Easier to install than differential pressure switches

100% solid-state

No moving parts to fail

APPLICATIONS

- Monitoring fans, pumps, motors, and other electrical loads for proper operation
- Detecting belt loss and motor failure...ideal for fan and pump status
- Verifying lighting circuit loads
- Monitoring critical motors (compressor, fuel, etc.)
- Monitoring industrial process equipment status (OEM)

Status LEDs

Output status LEDs for fast set up

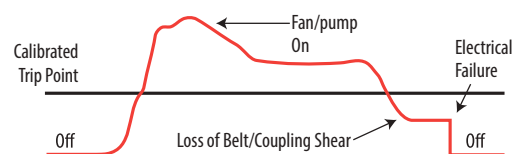
Easy placement

Adjustable mounting bracket on the solid-core housing

Self-gripping iris

Self-gripping iris on split-core housings for easy installation

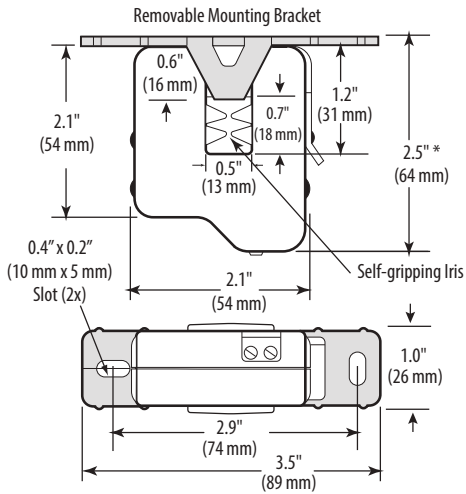
DETECTS BELT LOSS/COUPLING SHEAR!



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.

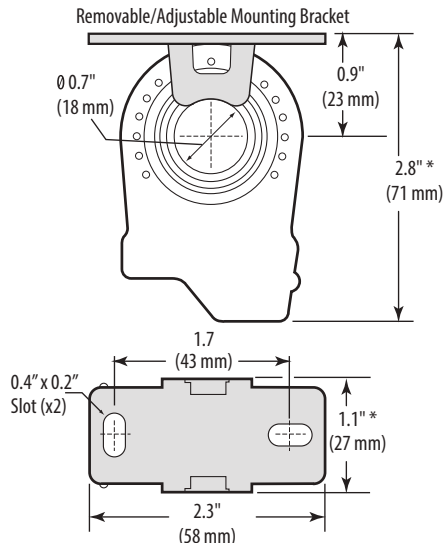
H606

Dimensional Drawing

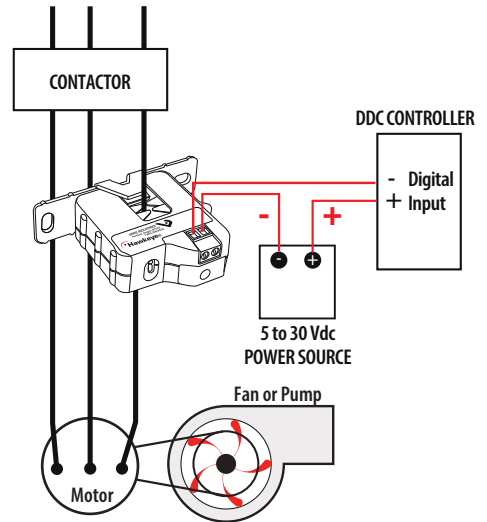


H806

Dimensional Drawing

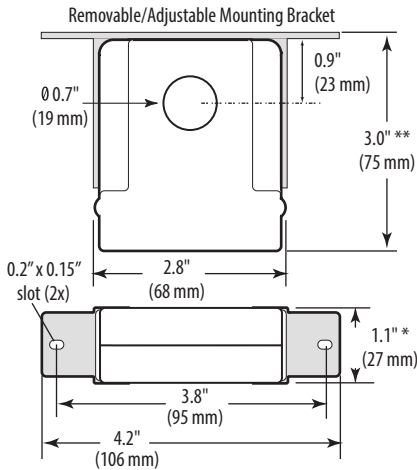


MONITORING FAN/PUMP MOTORS FOR POSITIVE PROOF OF FLOW (H606 & H806)
Wiring Diagram



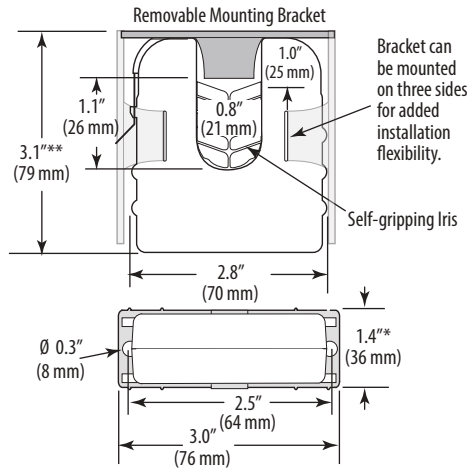
H706

Dimensional Drawing

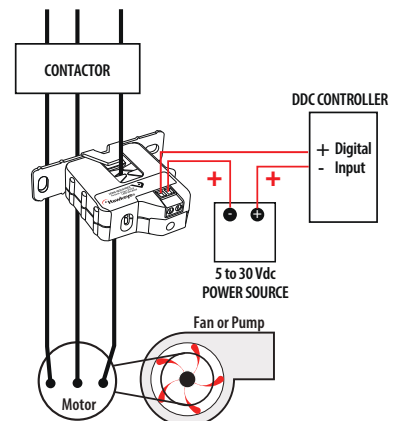


H906

Dimensional Drawing



MONITORING FAN/PUMP MOTORS FOR POSITIVE PROOF OF FLOW (H706 & H906)
Wiring Diagram



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

** Slide switch may extend up to 1/4" over the height dimensions shown.

ORDERING INFORMATION

| MODEL | AMPERAGE RANGE | STATUS OUTPUT (MAX.) | MIN. TRIP POINT | HOUSING | STATUS LED | UL | CE |
|-------|----------------|----------------------|-----------------|------------|------------|----------------|----|
| H606 | 1.25 to 50 A | N.C. 0.1 A @ 30 Vdc | 1.25 A or less | Split-Core | • | • ¹ | • |
| H706 | 1 to 135 A | | 1.0 A or less | Solid-Core | • | • | • |
| H806 | 0.75 to 50 A | | 0.75 A or less | Solid-Core | • | • | • |
| H906 | 2.5 to 135 A | | 2.5 A or less | Split-Core | • | • | • |

1. Listed for use on 75°C insulated conductors.