

"Electronic Components & Solutions"



Current Switches: Adjustable Trip Point

Hx08 Series & H701

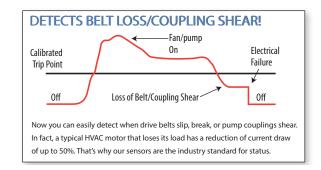


SPECIFICATIONS



Sensor Power	Induced from monitored conductor
Insulation Class	600VAC RMS (UL), 300VAC RMS (CE)
Frequency Range	50/60 Hz, On/Off status for Variable Frequency Drive (VFD) outputs at 12 to 115 Hz*
Temperature Range	-15° to 60°C (5° to 140°F)
Humidity Range	10-90% RH, non-condensing
Hysteresis	10% (typical)
Terminal Block Wire Size H608, H701, H708, H808, H908 H308	24-14 AWG (0.2 to 2.1 mm ²); 22-16 AWG (0.3 to 1.3 mm ²)
Terminal Block Torque H608, H701, H708, H808, H908 H308	3.5 to 4.4 in-lbs (0.4 to 0.5 N-m); 7 in-lbs (0.8 N-m)
Agency Approvals	UL 508 open device listing; CE: EN61010-1, CAT III, pollution degree 2, 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. * VFD systems generate fields that can disrupt electrical devices. Ensure that these fields are minimized and are not affecting the sensor.



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)...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

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 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.)
- VFD output On/Off status

Specifications subject to change without notice

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ATOM Technologies Ltd. Atom House - 22 Hylands Close, Furnace Green, Crawley, West Sussex, RH10 6RX, United Kingdom. ☎+ 44 (0) 1293 561277 📇 + 44 (0) 1293 561278 🖂 sales@atom-technologies.co.uk 🔙 www.atom-technologies.co.uk



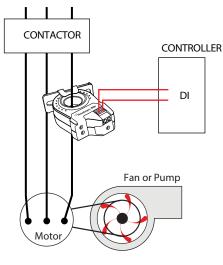
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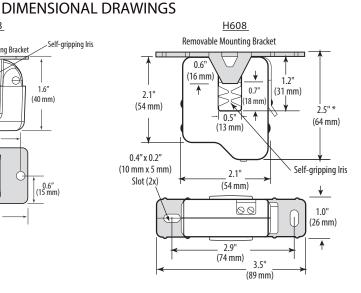
WIRING DIAGRAMS

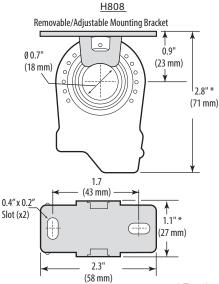
Monitoring Fan / Pump Motors for Positive Proof of Flow



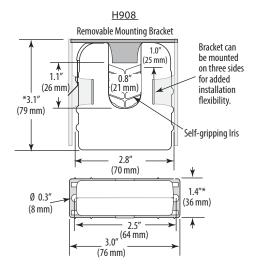
Self-gripping Iris Removable Mounting Bracket 0.3″ (8 mm) – 6 AWG max. 1.6″ (40 mm) 1.5" (38 mm) Ø 0.18" (x2) (5 mm) -0.6" (15 mm) 1.8" (46 mm)

H308





H708/701 Removable/Adjustable Mounting Bracket 0.9" (23 mm) Ø0.7" (19 mm) 3.0" * (75 mm) 2.8" 0.2" x 0.15" (68 mm) slot (2x) 1.1" * (27 mm) 3.8' (95 mm) 4.2' (106 mm)



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

RoHS

ORDERING INFORMATION

AMPERAGE RANGE STATUS OUTPUT STATUS MODEL MIN. TRIP HOUSING UL CE RoHS @ 50/60 Hz only POINT LED (max.) H308 0.75 - 50A 0.75A or less Split-Core 2 H608 0.5 - 175A 0.5A or less Split-Core H701 1 - 135A 10A or less Solid-Core N.O. 1.0A@30VAC/DC 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.

ACCESSORIES

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



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