

Current Switches with Relay: Adjustable Trip Point

Status And Control In One Package

APPLICATIONS

- Starting/stopping and monitoring positive status of motors
- Detecting belt loss and coupling shear

FEATURES

Combines command relay and fan/pump status sensor in a single, easy to install unit

- Reduces number of components installed – fits better in small starter enclosures
- Detect belt loss and motor failure...ideal for fan and pump status
- H748 and H948 feature a SPDT command relay...control two outputs with a single relay
- Bracket on H938, H948, and H958 can be installed in three different configurations...added flexibility

Now, one device does the job of two

- Reduced charges from electrician
- Relay and status LEDs for easy setup
- Polarity insensitive status output
- Adjustable setpoint for current sensor status
- 5-year limited warranty



DESCRIPTION

The Hawkeye Relay Combination Series is the ideal solution for the automation installer. These units combine a current switch and relay into a single package, reducing the space required for total control of fans and pumps. The current switch and relay operate independently of one another. These devices allow start/stop control and status monitoring with one device instead of two.

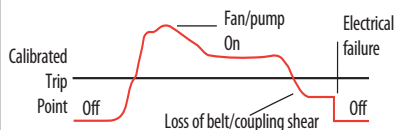
RELAY CONTACT RATINGS

H735 (SPST, N.O.)	
Resistive.....	5A@250VAC, 30VDC
Inductive.....	3A@250VAC, 30VDC
Hx38, Hx58 (SPST, N.O.)	
Resistive.....	10A@250VAC, 30VDC
Inductive.....	5A@250VAC, 30VDC
Hx4x (SPDT)	
Resistive.....	8A@250VAC, 30VDC
Inductive.....	3.5A@250VAC, 30VDC

TYPICAL COIL PERFORMANCE

Voltage	AC	DC
24V.....	10mA	10mA
12V.....		20mA
Pull In Voltage (H95x only)		
12VDC		8.4VDC
Drop Out Voltage (H95x only)		
12VDC		3.0VDC

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.



SPECIFICATIONS

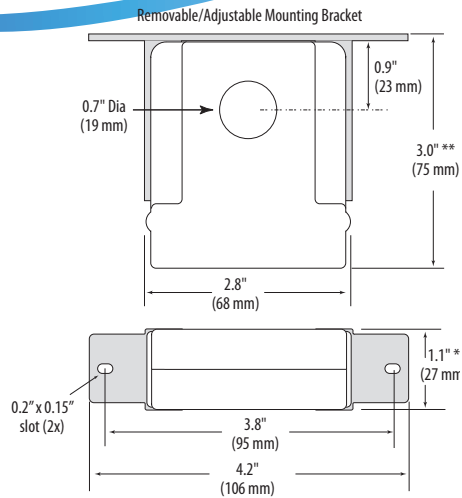
Sensor Power	Induced from monitored conductor
Insulation Class	600VAC RMS
Frequency Range	50/60Hz
Temperature Range	-15° to 60°C (5° to 140°F)
Humidity Range	10-90% RH, non-condensing
Hysteresis	10% Typical
Terminal Block Maximum Wire Size	14 AWG
Terminal Block Torque (nominal)	4 in-lbs (0.45 N-m)

UL 508 open device listing

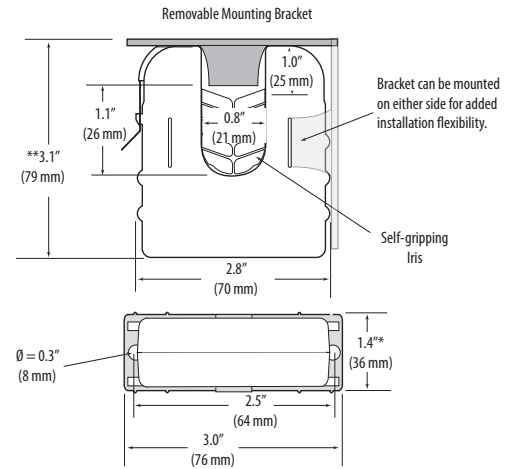
Do not use the LED status indicators as evidence of applied voltage.

DIMENSIONAL DRAWINGS

H735/738/748/758



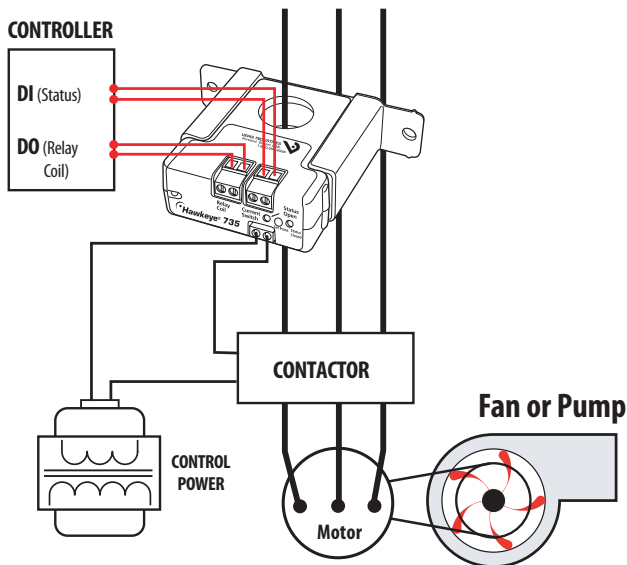
H938/948/958



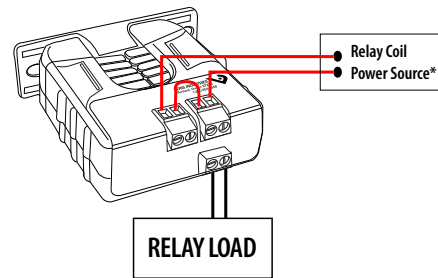
* Terminal block may extend up to 1/8" over the height dimensions shown.

APPLICATION/WIRING DIAGRAMS

Start/Stop Monitoring of Fan /Pump Motors



Relay Controlled Directly by Status Contacts



ORDERING INFORMATION



MODEL	AMPERAGE RANGE	STATUS OUTPUT (max.)	MIN. TRIP POINT	RELAY	COIL VOLTAGE	HOUSING	STATUS LED	RELAY POWER LED	UL
H735	1 - 135A	1.0A@30VAC/DC	1A or less	SPST, N.O.	24VAC/DC	Solid-core	●	●	●
H738	1 - 135A		1A or less	SPST, N.O.	24VAC/DC	Solid-core	●	●	●
H748	1 - 135A		1A or less	SPDT	24VAC/DC	Solid-core	●	●	●
H758	1 - 135A		1A or less	SPST, N.O.	12VDC nom.	Solid-core	●	●	●
H938	2.5 - 135A		2.5A or less	SPST, N.O.	24VAC/DC	Split-core	●	●	●
H948	2.5 - 135A		2.5A or less	SPDT	24VAC/DC	Split-core	●	●	●
H958	2.5 - 135A		2.5A or less	SPST, N.O.	12VDC nom.	Split-core	●	●	●

ACCESSORIES

DIN Rail Clip Set (AH01)

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