

HX30/40/50 SERIES

On/Off Status and Control in One Package



The Hawkeye Relay Combination Series combines an on/off status sensor and command relay in one package, saving the labor, wire runs, and space required to mount a separate relay. The switch and relay (not electrically connected) are in the same housing, saving space and cost. It is ideal for monitoring and controlling motors where belt loss is not a concern.

SPECIFICATIONS

Sensor Power	Induced from monitored conductor
Insulation Class	600 Vac RMS
Frequency Range	50/60 Hz
Temperature Range	-15 to 60 °C (5 to 140 °F)
Humidity Range	10 to 90% RH non-condensing
Terminal Block Wire Size	24 to 14 AWG (0.2 to 2.1 mm ²)
Terminal Block Torque	3.5 to 4.4 in-lbs (0.4 to 0.5 N-m)

WARRANTY

Limited Warranty	5 years
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AGENCY APPROVALS

Agency Approvals	UL 508 open device listing, CAT III, Pollution Degree 2, basic insulation
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Note: Do not use the LED status indicators as evidence of applied voltage.

On/off status

On/off status and command relay in a single labor and space saving device

SPDT command relay

H740 and H940 feature a SPDT command relay

Detect belt loss

Cost-effectively monitor start/stop, unit vents, fan coils, exhaust fans, and other loads where belt loss is not a concern

No tubing necessary

Easier to install than differential pressure switches

Easy setup

No calibration required...easy setup and operation

APPLICATIONS

- Monitoring direct drive units, exhaust fans, and other fixed loads
- Monitoring on/off status of electrical loads
- Starting/stopping motors

RELAY CONTACT RATINGS

Hx30, Hx50 (SPST, N.O.)

Resistive 10 A @ 250 Vac, 30 Vdc

Inductive 5 A @ 250 Vac, 30 Vdc

Hx40 (SPDT)

Resistive 8 A @ 250 Vac, 30 Vdc

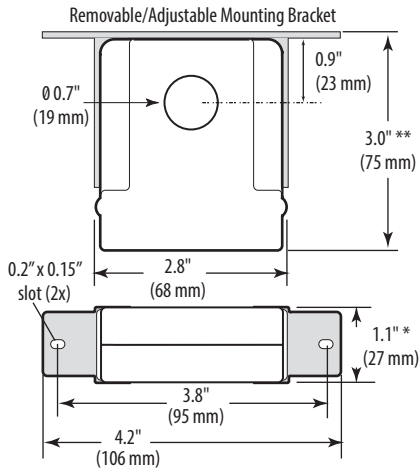
Inductive 3.5 A @ 250 Vac, 30 Vdc

TYPICAL COIL PERFORMANCE

Voltage	AC	DC
24V	10 mA	10 mA
Pull In Voltage		
Hx30		20.1 Vdc
Hx40		20.1 Vdc
Hx50		8.4 Vdc
Drop Out Voltage		
Hx30		5.2 Vdc
Hx40		5.2 Vdc
Hx50		3.0 Vdc

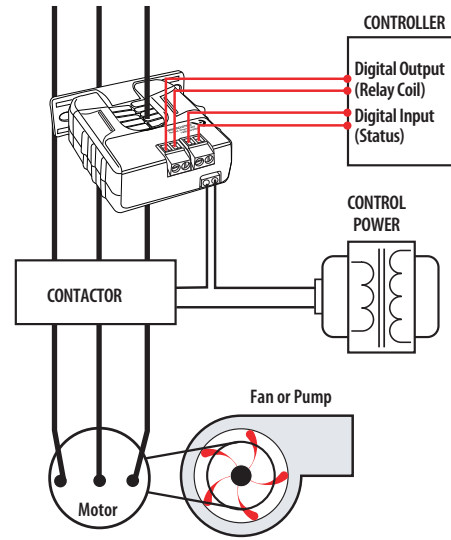


H730/740/750
Dimensional Drawing

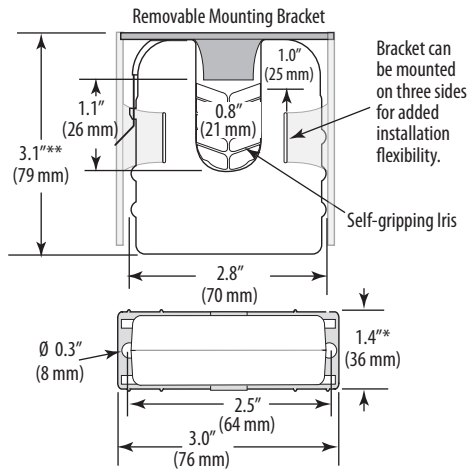


* Terminal block may extend up to 1/8" over the height dimensions shown.
** Slide switch may extend up to 1/4" over the height dimensions shown.

START/STOP MONITORING OF FAN/PUMP MOTORS
Wiring Diagram

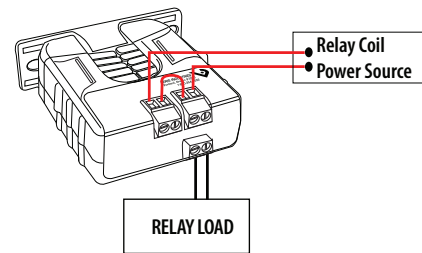


H930/940/950
Dimensional Drawing



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

RELAY CONTROLLED DIRECTLY BY STATUS CONTACTS
Wiring Diagram



ORDERING INFORMATION

MODEL	AMPERAGE RANGE	STATUS OUTPUT (MAX.)	TRIP POINT	RELAY	RELAY COIL	HOUSING	RELAY POWER LED	UL
H730	0.5 to 200 A	N.O. 1.0 A @ 30 Vac/dc	0.5 A or less	SPST, N.O.	24 Vac/dc	Solid-core	•	•
H740	0.5 to 200 A		0.5 A or less	SPDT	24 Vac/dc	Solid-core	•	•
H750	0.5 to 200 A		0.5 A or less	SPST, N.O.	12 Vdc nom.	Solid-core	•	•
H930	1.5 to 200 A		1.5 A or less	SPST, N.O.	24 Vac/dc	Split-core	•	•
H940	1.5 to 200 A		1.5 A or less	SPDT	24 Vac/dc	Split-core	•	•
H950	1.5 to 200 A		1.5 A or less	SPST, N.O.	12 Vdc nom.	Split-core	•	•