Installation Instructions
Hawkeye 800
Solid Core Fixed Threshold Current Status Switch

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INSTALLATION

CAUTION!

- **This product is not intended for life or safety applications.**
- **Installing sensors in an energized motor control center or on any energized conductor can be hazardous.**

Severe injury or death can result from electrical shock during contact with high voltage conductors or related equipment. Disconnect and lock-out all power sources prior to installation.

Applications shown are suggested means of installing sensors, but it is the responsibility of the installer to ensure that the installation is in compliance with all national and local codes. Installation should be attempted only by individuals familiar with codes, standards, and proper safety procedures for high-voltage installations.

1. **Ensure power conductor to be monitored is disconnected and locked out from the power source!**
2. Install the adjustable mounting bracket to the back of the motor control center. The sensor may be located at any point on the conductor between the motor and the motor starter.
3. Align to permit the conductor to fit through the hole. Slide the conductor through the center hole in the sensor and connect the conductor to the lugs on the motor starter.

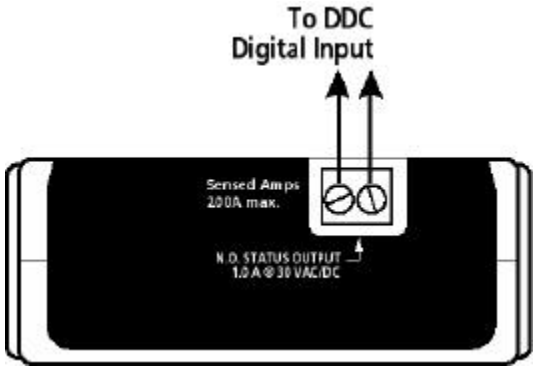
Note: Low (<0.5 amp) and high (>200 amp) applications may require special installation:

a. Low amperage (<0.5 amp FLA) - to provide adequate current, wrap conductor through the center hole and around the sensor body to produce multiple turns and increase flow. Measured current = Actual Current x Number of turns.

b. High amperage (>200 amp FLA) - current flows in excess of 200 amps require the use of an appropriately sized external current transformer. Install the external CT on the conductor and run the CT secondary wire through the sensor. **CAUTION:** CTs can contain hazardous voltages. Install CTs in accordance to manufacturers' specifications and instructions.

4. Wire as shown below. Note: Testing the solid-state output of this sensor with a digital ohm meter may yield inaccurate, but relative readings of switching (i.e., 6 Meg Ohms.) Use an Analog VOM for readings similar to loop

Status output is not polarity sensitive!



OPERATION

The sensors status output will indicate a "closed" circuit condition when monitored conductor current exceeds 0.5A. When conductor current falls to 0A or is interrupted, the sensors status output will "open". Note: Sensor output is unstable below 0.5A.

CAUTION !

Status indicators of this device should not be relied on to determine whether or not the monitored conductor is connected to a power source. Doing so may result in injury or death from electrical shock.

SPECIFICATIONS

Amperage Ratings.....……0.5 to 200A continuous
Sensor Supply Voltage....Induced from monitored conductor
Isolation.....600VAC rms
Sealing.....N.E.M.A. 1
Temperature range.....….....-15 to 60°C
Humidity range.....….....0-95% non-condensing
Status Output…….....….....N.O. 1.0A@30VAC/DC

PN Z101984-0B 2/7/2001

REDUCE LABOR by 30%!

The H540 & H548 Provide Motor Control & Status in a Single Labor Saving Device

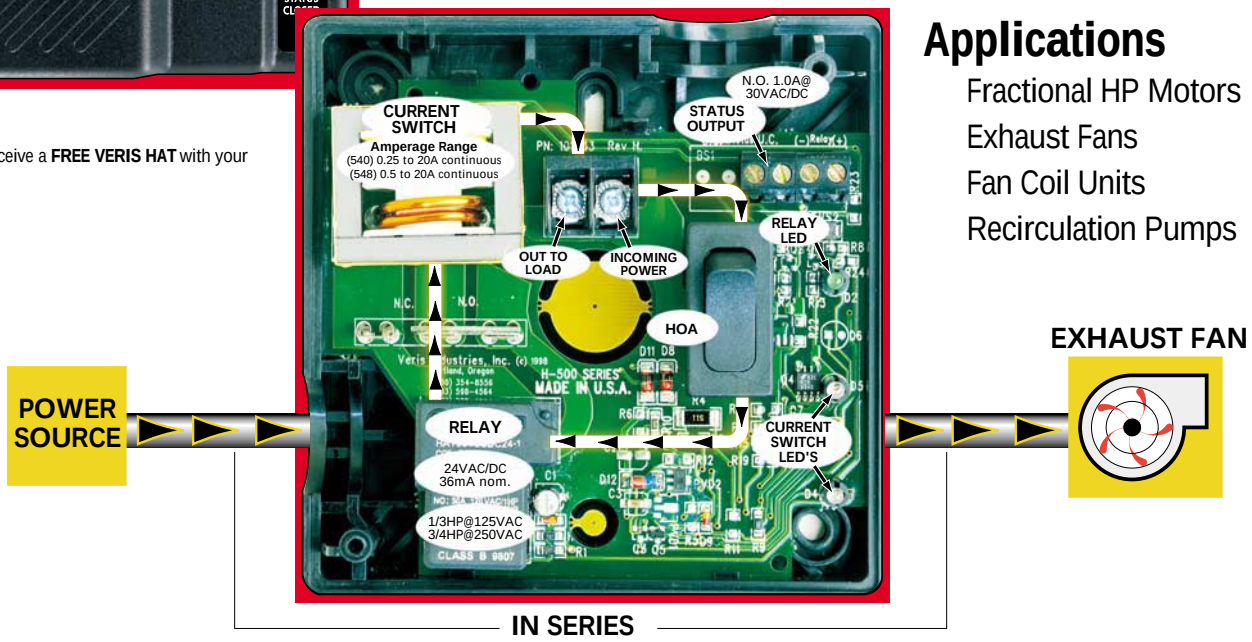
Using a single circuit the H500 provides direct control and status of your fractional HP motors.
And that's not all.

- It eliminates forcing multiple devices into small electrical enclosures.
- It replaces traditional conductor mount of a current switch.
- It simplifies low voltage wiring runs and eliminates high voltage runs.

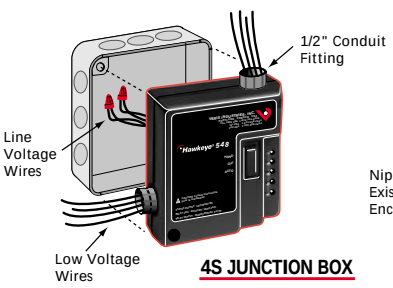
Mention this flyer and receive a **FREE VERIS HAT** with your H540 or H548 order.

Applications

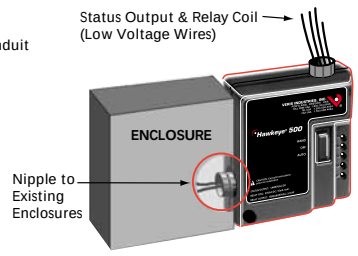
Fractional HP Motors
Exhaust Fans
Fan Coil Units
Recirculation Pumps



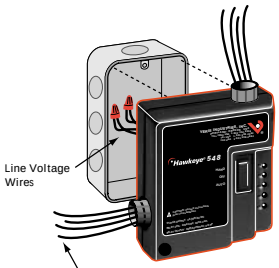
Mounting Options



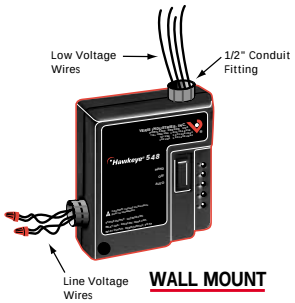
4S JUNCTION BOX



ENCLOSURE MOUNT



SINGLE GANG BOX



WALL MOUNT

MODEL	STATUS TRIP POINT
H540 "Go/No"	**0.25 A**
H548 "Adjustable"	**0.5 A**

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