

# H40 SERIES



# Hawkeye™ 40NEXA/40MEXX/ 40BAXA/40AAXX

## Fractional Motor Status/ Command Relay

### Installer's Specifications

Operating Temperature Range	-15°C to 50°C (5° to 122°F)
Operating Humidity Range	0-95% non-condensing
Frequency Range	50-60 Hz
Wire to Relay Contacts	H40NEXA, H40MEXX: use 12 AWG (3.3 mm <sup>2</sup> ) or larger wire H40BAXA, H40AAXX: use 16 AWG (1.3mm <sup>2</sup> ) or larger wire
Low Voltage Terminal Block Tightening Torque	3.5 lb-in
HOA	H40NEXA and H40BAXA

Relay Type	H40NEXA, H40BAXA: SPST N.O.; H40MEXX, H40AAXX: SPST N.O. or N.C.
------------	---

Contact Ratings	H40NEXA 16A@120/250VAC, 12A@277VAC, 1HP@120VAC, 8A@28VDC H40MEXX SPDT 16A@120/277VAC, 1HP@120VAC, 2HP@277VAC, 16A@28VDC H40BAXA 10A@120/240/277VAC, 1/3HP@120VAC, 8A@28VDC H40AAXX SPDT 10A@120/240/277VAC, 1/3HP@120VAC, 10A@28VDC
Coil Ratings	H40MEXX, H40NEXA: 24VDC 45mA nom.; 24VAC 78mA nom.; Class 2* H40AAXX, H40BAXA: 10-30VAC@24-38mA; 10-30VDC@10-16mA; Class 2*

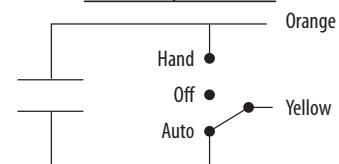
\*In addition, coil input from other sources may be used as detailed in NEC 2008, Article 725.121.

### QUICK INSTALL

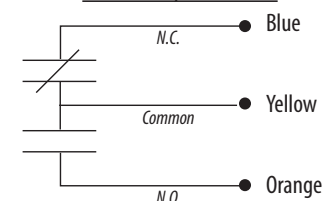
1. Disconnect power sources prior to installation.
2. Mount to an electrical enclosure using the 1/2" threaded nipple.
3. Connect line voltage wires.
4. Open the lid to reveal the low voltage section and connect relay coil to control wiring.
5. Apply power and adjust current sensor to desired trip point.
6. Close lid to low voltage section.

### RELAY CONNECTION

#### H40NEXA, H40BAXA



#### H40MEXX, H40AAXX



## DANGER

### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

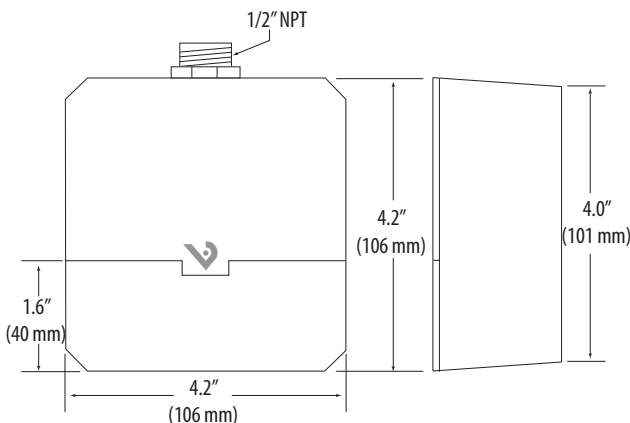
- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Read, understand and follow the instructions before installing this product.
- Turn off all power supplying equipment before working on or inside the equipment.
- Use a properly rated voltage sensing device to confirm power is off.  
DO NOT DEPEND ON THIS PRODUCT FOR VOLTAGE INDICATION
- Only install this product using insulated conductors.

Failure to follow these instructions will result in death or serious injury.

## NOTICE

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- The installer is responsible for conformance to all applicable codes.

### DIMENSIONS

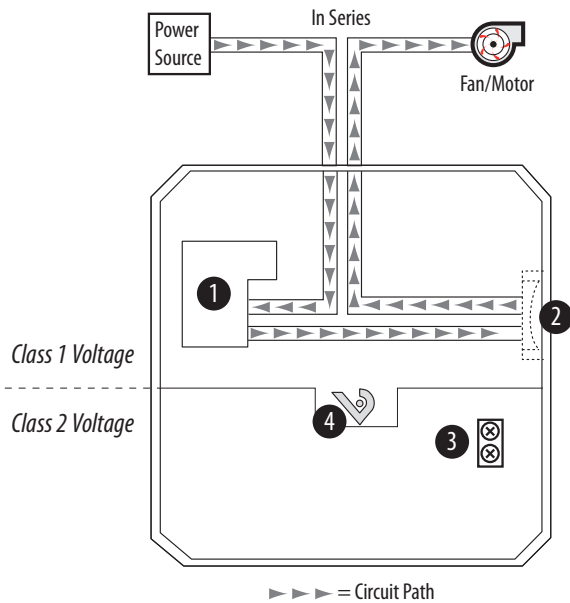


**OPERATION**

H40NEXA and H40BAXA devices combine a switching relay and a Hand-Off-Auto (HOA) switch into a single housing. The H40MEXX and H40AAXX include only the switching relay. The low voltage and line voltage wires are electrically separated from each other. A hinged lid on the low voltage side allows easy connection, while the high voltage side is closed for added safety.

The H40 is connected in series between the power source and the motor device, and the relay and HOA switch (if applicable) control the on/off functioning of the motor. The H40AAXX and H40BAXA have a maximum load of 10 A, and the H40MEXX and H40NEXA have a maximum load of 16 A.

**WIRING EXAMPLE**



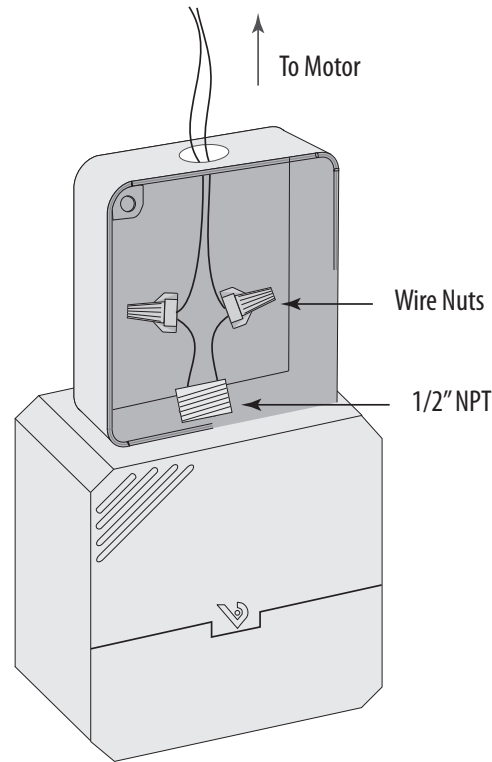
- 1. Relay: Enables actuation of circuit by a control system
- 2. HOA Switch: Provides local control of the motor (H40NEXA and H40BAXA only)
  - HAND - When the switch is in this position, the motor is always on.
  - OFF - When the switch is in this position, the motor is always off.
  - AUTO - When the switch is in this position, the control system commands the motor.
- 3. Relay Coil terminal block: Wire output signal from control panel to actuate the relay.
- 4. Status LED:
  - Right side of V - Green = Coil is energized

*Only the low voltage terminal blocks are accessible through the hinged lid. Other components are in the sealed high voltage compartment.*

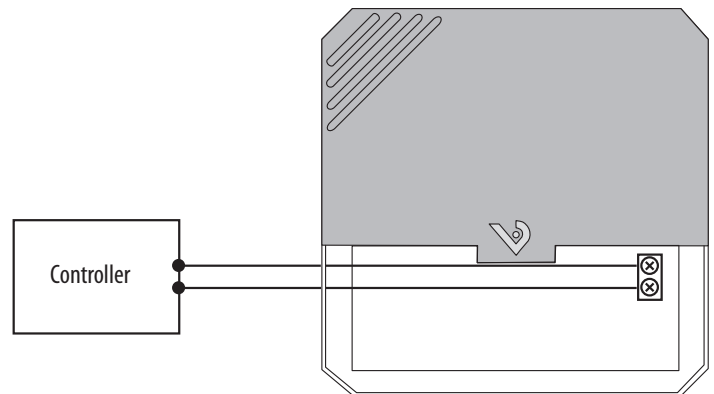
**INSTALLATION**

**Prior to installation, disconnect and lock out all power sources.**

1. Insert 1/2" nipple into a knockout hole on a standard junction box. Use the nut (included) to ensure a secure fit.
2. Use a wire nut to connect the line side wires on the H40. The H40NEXA and H40BAXA have two high voltage wires (orange = normally open, yellow = common), while the H40MEXX and H40AAXX have three (blue = normally closed, orange = normally open, yellow = common).



3. Use a flat screwdriver to open the low voltage compartment. Connect relay coil terminals to control wiring.



4. Reconnect power.
5. Close low voltage lid.