



## H40 Series

### Fractional Motor Control With Command Relay

#### Product Overview

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.

#### Product Identification

Part Number	Description
H40NEXA	Fractional motor control with command relay and HOA switch
H40MEXX	Fractional motor control with command relay
H40BAXA	Fractional motor control with command relay and HOA switch
H40AAXX	Fractional motor control with command relay

#### Specifications

<b>Amperage Range</b>	0.25 to 16 A
<b>Wire to Relay Contacts</b> H40NEXA, H40MEXX H40BAXA, H40AAXX	12 AWG (3.3 mm <sup>2</sup> ) or larger 16 AWG (1.3 mm <sup>2</sup> ) or larger
<b>Low Voltage Terminal Block Wire Size</b>	24 to 14 AWG (0.2 to 2.1 mm <sup>2</sup> )
<b>Low Voltage Terminal Block Torque</b>	3.5 to 4.4 in-lb (0.4 to 0.5 N-m)
<b>RELAY</b>	
<b>Type</b> H40NEXA, H40BAXA H40MEXX, H40AAXX	SPST, N.O. SPST, N.O. or N.C. (field selectable)
<b>Contact Ratings</b> H40NEXA H40MEXX H40BAXA H40AAXX	16A@120/250VAC, 12A@277VAC, 1HP@120VAC, 8A@28VDC 16A@120/277VAC, 1HP@120VAC, 2HP@277VAC, 16A@28VDC 10A@120/240/277VAC, 1/3HP@120VAC, 8A@28VDC 10A@120/240/277VAC, 1/3HP@120VAC, 10A@28VDC
<b>Coil Ratings</b> H40NEXA, H40MEXX H40BAXA, H40AAXX	24VDC 45mA nom.; 24VAC 78mA nom.; Class 2* 10-30VAC@24-38mA; 10-30VDC@10-16mA; Class 2*
<b>OPERATING CONDITIONS</b>	
<b>Operating Temperature Range</b>	-15° to 50°C (5° to 122°F)
<b>Operating Humidity Range</b>	0-95% RH noncondensing
<b>Frequency</b>	50/60 Hz
<b>COMPLIANCE INFORMATION</b>	
<b>Approvals</b>	UL508, RoHS

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



### **⚠️ 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.

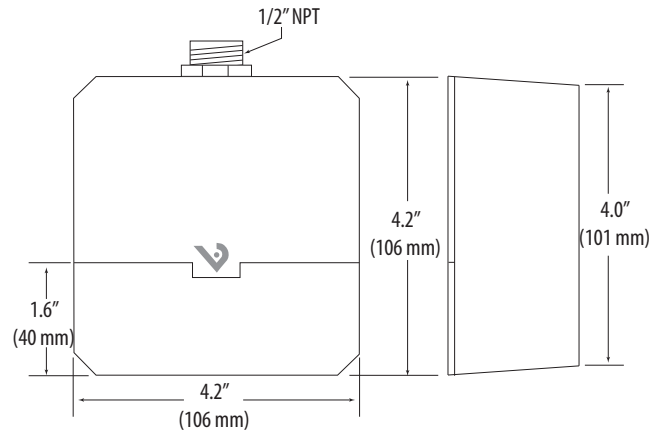
Failure to follow these instructions will result in death or serious injury.

A qualified person is one who has skills and knowledge related to the construction and operation of this electrical equipment and the installation, and has received safety training to recognize and avoid the hazards involved. NEC2009 Article 100  
No responsibility is assumed by Veris Industries for any consequences arising out of the use of this material.

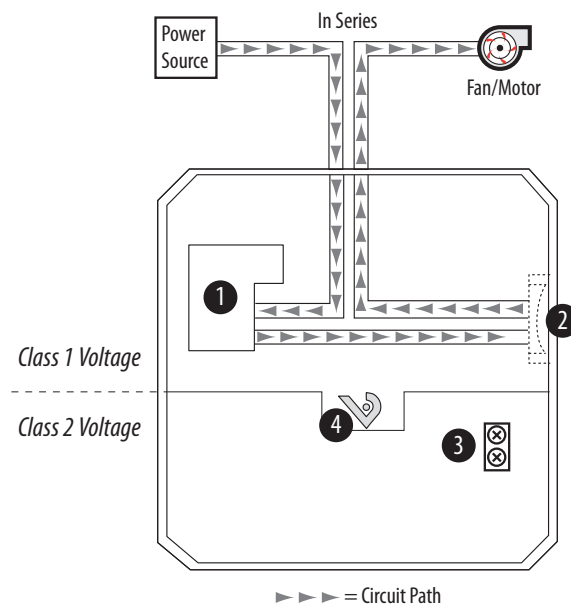
### **NOTICE**

- 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



## Product Diagram



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

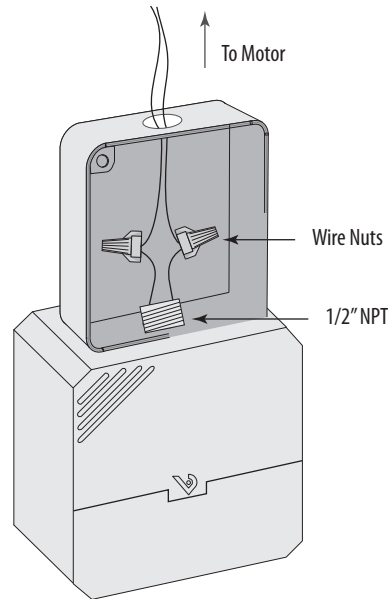
*Only the low voltage terminal blocks are accessible through the hinged lid. Other components are in the sealed high voltage compartment.*

## Installation

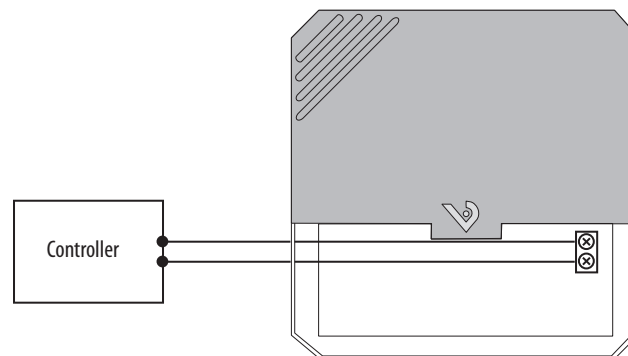


### Disconnect and lock out all power sources.

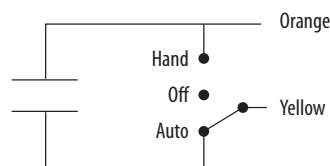
1. Insert the 1/2" nipple into a knockout hole on a standard junction box. Use the nut (included) to ensure a secure fit.
2. Use a wire nut to connect the line side wires on the H40. The H40NEXA and H40BAXA have two high voltage wires (orange = normally open, yellow = common), while the H40MEXX and H40AAXX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



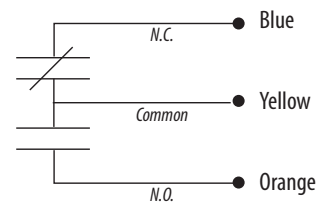
3. Use a flat screwdriver to open the low voltage compartment. Connect relay coil terminals to control wiring.



#### H40NEXA, H40BAXA



#### H40MEXX, H40AAXX



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