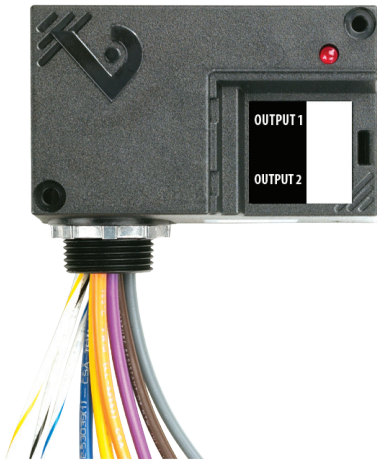


V320



HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

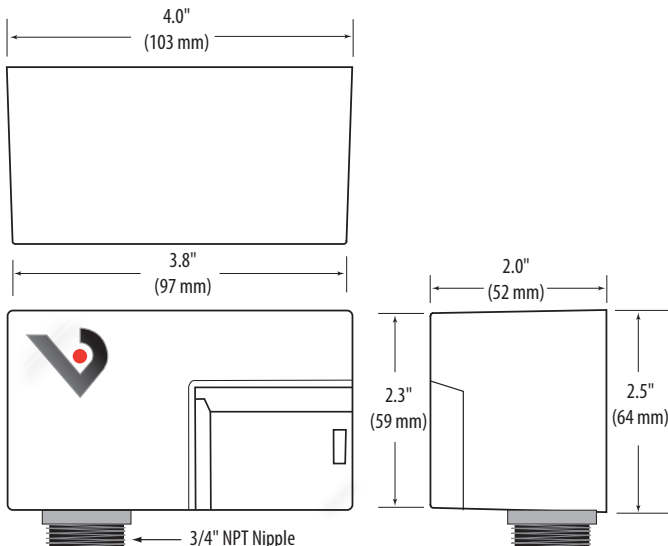
- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
 - This equipment must only be installed and serviced by qualified electrical personnel.
 - Read, understand and follow the instructions before installing this product.
 - Turn off all power supplying equipment 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

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.
- Mount this product inside a suitable fire and electrical enclosure.

DIMENSIONS



V320

20A DPDT Enclosed Relay

Installer's Specifications

Operating Temperature	-40°C to 40°C (-40° to 104°F)
Operating Humidity	10-90% non condensing
Expected Relay Life	Electrical (at rated current): 100,000 cycles Mechanical (unpowered): 10,000,000 cycles
Relay Status	LED ON=energized
<u>Wire Specifications:</u>	
Lead Length	14" (356mm) min.
Gauge	UL1015; Coil: 18AWG; Contacts: 12AWG
Insulation Class	277VAC RMS
Agency Approvals	UL508 enclosed device listing, pollution degree 2

INSTALLATION

Disconnect and lock out all power sources before beginning the installation.

- Using the threaded nipple, connect the relay to the desired enclosure through a knock out hole.
- Secure with the conduit nut provided.
- Connect coil:

- Choose the coil common lead (white with yellow stripe) and connect it to the common (-) source termination point.
- Choose either the low voltage (24VAC/DC, white with blue stripe) or high voltage (120VAC, white with black stripe) lead, depending on the application requirements, and connect it to the (+) source termination point.*

NOTE: When connecting the control side of this device (#18 wires) to power line circuits, provide current limiting at 7 amps max.

- Connect relay contacts:

Output #1

- Choose the relay common lead (solid yellow) and connect it to the switched load.
- Choose the relay N.O. (solid orange) and/or the N.C. (solid blue) lead and connect it to the switched load.

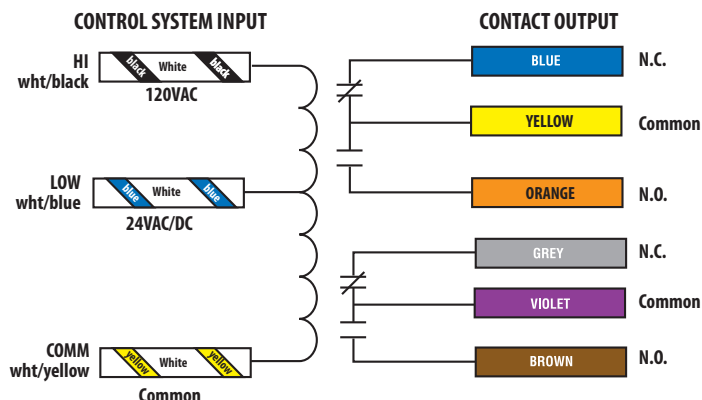
Output #2

- Choose the relay common lead (solid violet) and connect it to the switched load.
- Choose the relay N.O. (solid brown) and/or the N.C. (solid grey) lead and connect it to the switched load.

- Secure the enclosure and reconnect power.

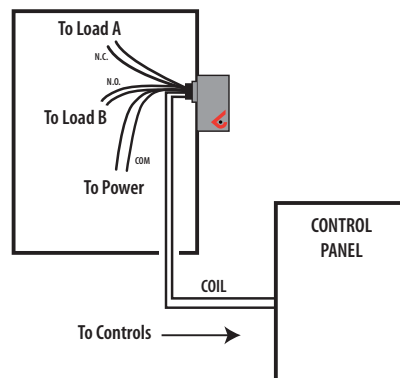
* Isolate or insulate all non-terminated wires according to local electrical code requirements, i.e. wire nut.

WIRING COLOR CODES



WIRING EXAMPLE

Nipple mount directly to a panel



CONTACT AND COIL SPECIFICATIONS

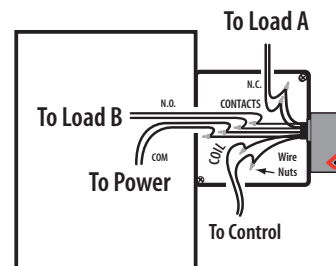
TYPICAL COIL PERFORMANCE

Voltage	Coil Current	
	AC	DC
24V.....	150mA	64mA
120V.....	84mA	-

CONTACT RATINGS

Resistive.....	20A@277VAC, 28VDC
Motor.....	120VAC, 1HP 277VAC, 2HP
Pilot Duty.....	A300
Ballast.....	20A@277VAC N.O. 10A@277VAC N.C.
Tungsten.....	10A@120VAC N.O. 2A@120VAC N.C.

Nipple mount to a 2x or 4x electrical box



* Isolate any unused wires, e.g. wire nut.