

**V320****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
Wire Specifications:	
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.

1. Using the threaded nipple, connect the relay to the desired enclosure through a knock out hole.
2. Secure with the conduit nut provided.
3. 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.

4. 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.

5. Secure the enclosure and reconnect power.

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

**DANGER****HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

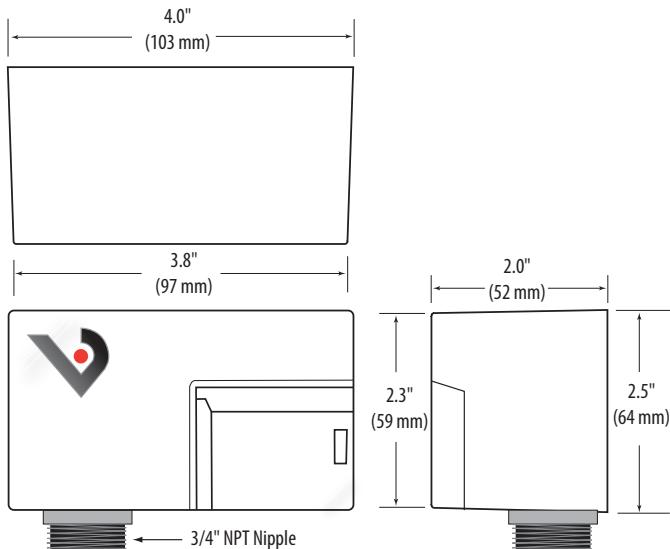
- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Read, understand and follow the instructions before installing this product.
- Turn off all power supplying equipment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

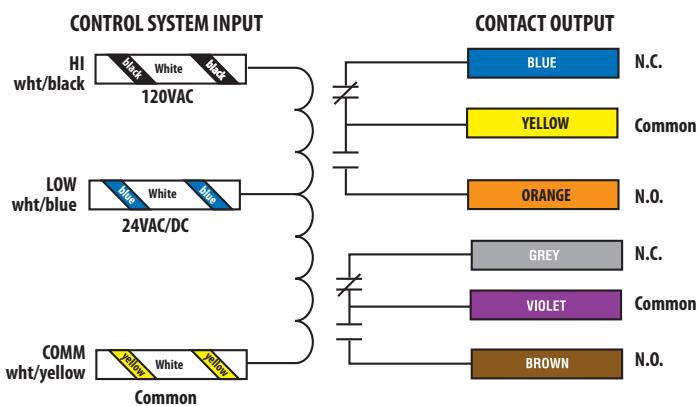
**Failure to follow these instructions will result in death or serious injury.**

**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.

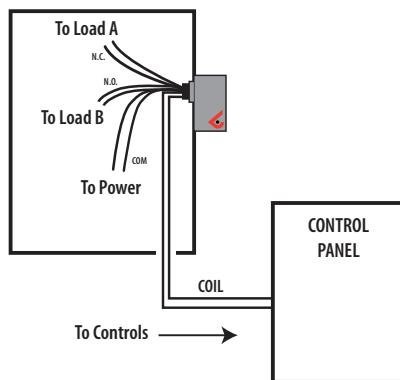
**DIMENSIONS**

## WIRING COLOR CODES



## WIRING EXAMPLE

### Nipple mount directly to a panel



## CONTACT AND COIL SPECIFICATIONS

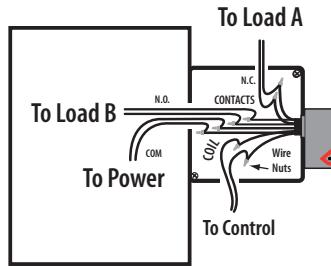
### TYPICAL COIL PERFORMANCE

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.