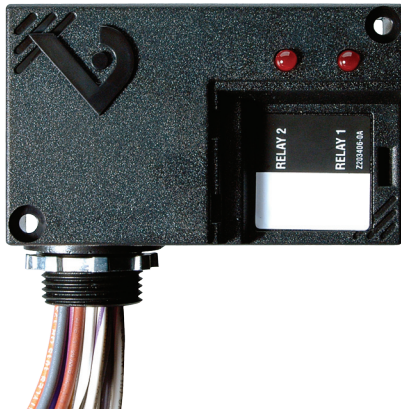


V100D



V100D

Dual 10A SPDT Enclosed Relays 10-30 VDC/AC or 120 VAC Coil

Installer's Specifications

Operating Temperature	-40°C to 55°C (-40° to 131°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: 18 AWG; Contacts: 16 AWG
Insulation Class	600 VAC RMS
Agency Approvals	UL508 enclosed device listing

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.

Relay #1

- Connect Coil:
 - Choose the coil common lead (white with yellow stripe) and connect it to the (-) source termination point.
 - Choose either the low voltage (10-30VAC/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:
 - Choose the relay common wire (yellow) and connect to switched load.

Relay #2

- Connect Coil:
 - Choose the coil common lead (white with violet stripe) and connect it to the (-) source termination point.
 - Choose either the low voltage (10-30VAC/DC, grey with white stripe) or high voltage (120VAC, white with red 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:
 - Choose the relay common wire (violet) and connect to switched load.
 - Choose the relay N.O. (brown) and/or* N.C. (grey) lead and connect to 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.

⚠ DANGER ⚡

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

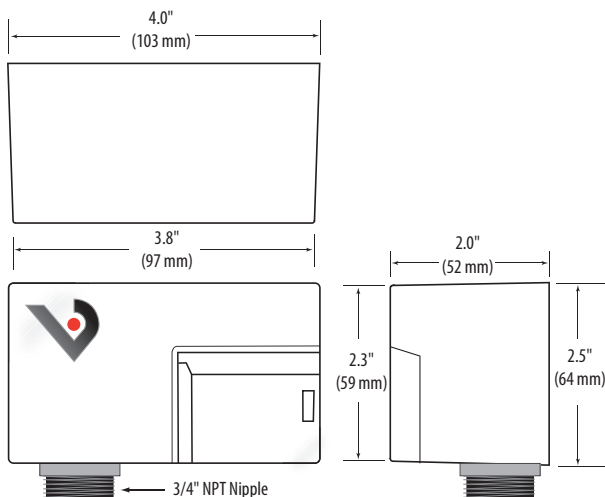
- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Read, understand and follow the instructions before installing this product.
- Turn off all power supplying equipment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

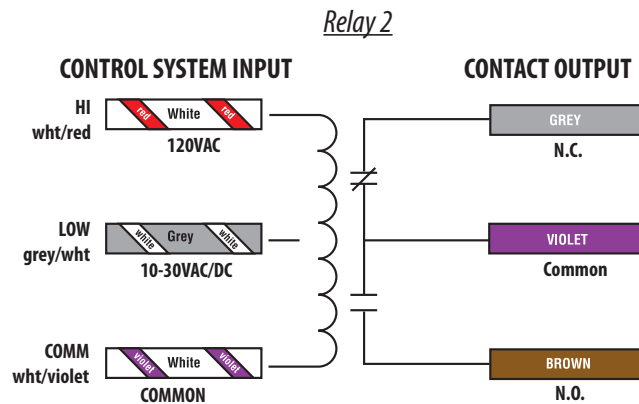
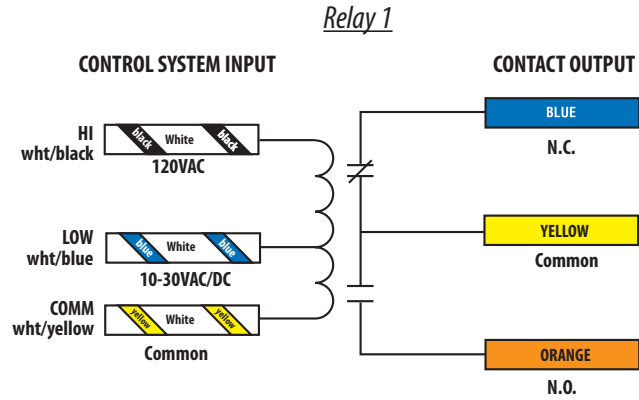
NOTICE

- 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.

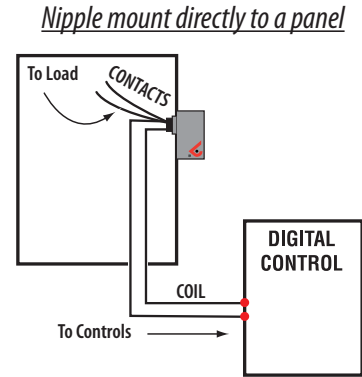
DIMENSIONS



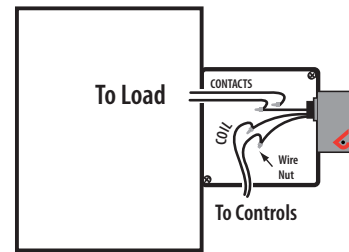
WIRING COLOR CODES



WIRING EXAMPLE



Nipple mount to any 2x or 4x electrical box



CONTACT AND COIL SPECIFICATIONS

TYPICAL COIL PERFORMANCE			
Pull in Voltage	AC	DC	
	10-30V.....	8	9
	120V.....	78	
Drop Out Voltage	AC	DC	
	10-30V.....	2	3
	120V.....	18	
Voltage	Coil Current		
	AC	DC	
10V.....	25mA	14mA	
12V.....	25mA	14mA	
24V.....	31mA	16mA	
30V.....	39mA	18mA	
120V.....	22mA	-	

CONTACT RATINGS	
Resistive.....	10A@277VAC, 28VDC
Motor.....	120VAC, 1/3HP N.O. & 1/6HP N.C. 240VAC, 1/3HP N.O. & 1/6HP N.C. 277VAC, 1/4HP N.O. & 1/8HP N.C.
Pilot Duty.....	277VAC, (1.7A), 480VA N.O.
Ballast.....	277VAC, 1.7A
Tungsten.....	120VAC, TV3 N.O. TV2 N.C.
Gold Flash.....	Yes

LED CONFIGURATION

