

V300

10 A DPDT Enclosed Relay

Product Overview

The Victory 300 Series 10 A DPDT pilot duty enclosed relays combine industrial strength and ease of use. The nipple mount enclosure makes installation easy. With no need for a dedicated field enclosure, they are the ideal retrofit devices. One coil input controls the state of two pilot rated contacts for the simultaneous control of two devices or both poles of a single-phase circuit, e.g. motor loads. Field-selectable high and low voltage coil inputs provide on-site versatility.

Product Identification

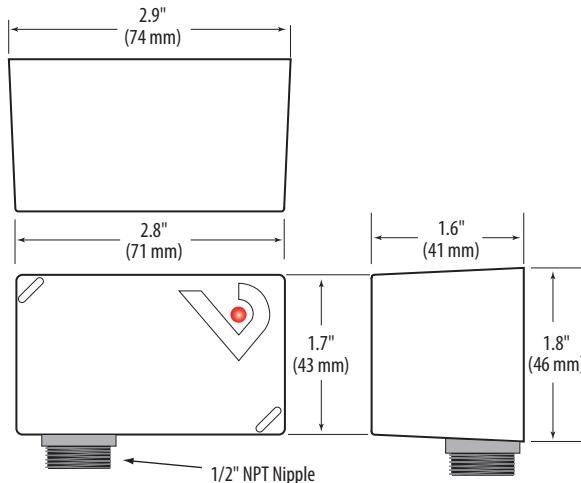
| Model | Relay | Coil | Amperage Rating | Relay Power LED | UL |
|-------|-------|--------------------------|-----------------|-----------------|-----|
| V300 | DPDT | 20 to 30 Vac/dc, 120 Vac | 10 A | Yes | Yes |

Note: Some units are Plenum rated per UL 1995. For details, see White Paper VWP01, UL 1995 and Plenum Ratings, at www.veris.com.

Specifications

| | |
|------------------------------|--|
| Operating Temperature | -34 to 60 °C (-29 to 140 °F) |
| Operating Humidity | 10 to 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 Lead Length | 14" (356mm) min. |
| Wire Gauge | UL1015; Coil: 18AWG; Contacts: 16AWG |
| Insulation Class | 600 Vac RMS |
| Agency Approvals | UL508 enclosed device listing, pollution degree 2 |

Dimensions



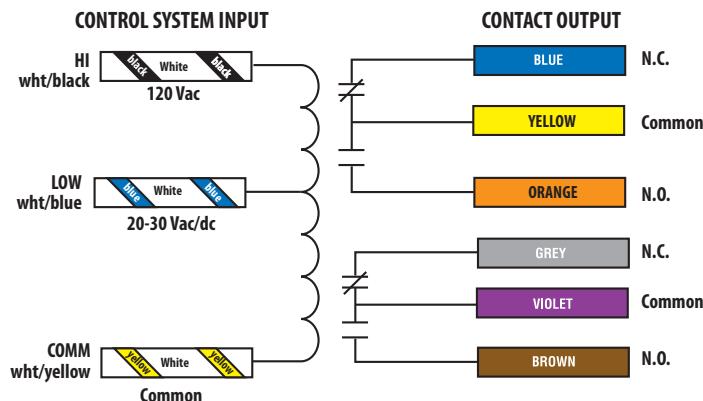
Installation

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 (20-30VAC/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.*
4. Connect relay contacts:
 - Choose the relay common wire (yellow) and connect to the switched load.
 - Choose the relay N.O. (orange) and/or* N.C. (blue) lead and connect 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.

Wiring Color Codes



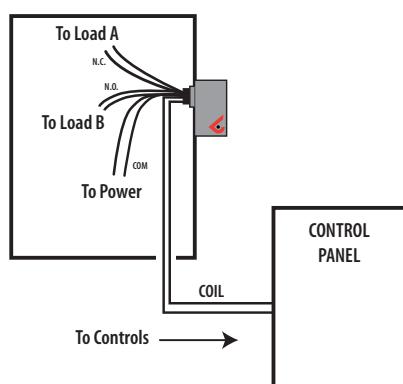
Contact and Coil Specifications

| TYPICAL COIL PERFORMANCE | | |
|--------------------------|-------|---------|
| Pull in Voltage | AC | DC |
| 20-30 V..... | 18 | 20 |
| 120 V..... | 104 | |
| Drop Out Voltage | AC | DC |
| 20-30 V..... | 4 | 5 |
| 120 V..... | 26 | |
| Voltage | Coil | Current |
| | AC | DC |
| 24 V..... | 43 mA | 25 mA |
| 30 V..... | 54 mA | 31 mA |
| 120 V..... | 29 mA | - |

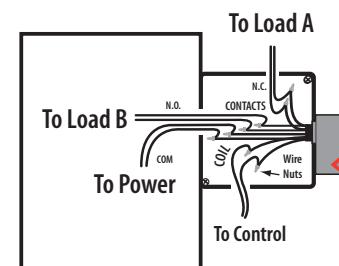
| CONTACT RATINGS* | |
|---|----------------------|
| Resistive..... | 10 A@250 Vac, 30 Vdc |
| Motor..... | 120 Vac, 1/8HP |
| *Contact ratings are for single pole operation. When operating both poles simultaneously, the total load cannot exceed the ratings above. | |

Wiring Examples

Nipple mount directly to a panel



Nipple mount to a 2x or 4x electrical box



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