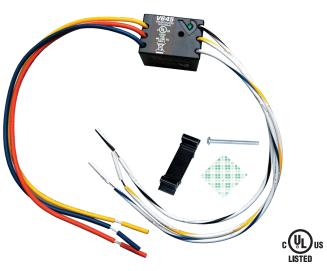


### RELAYS

## **INSTALLATION GUIDE**





# 🚹 DANGER 🖄

#### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

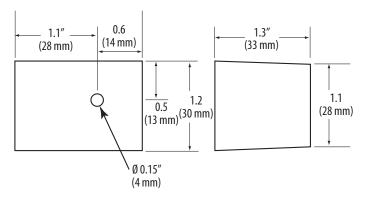
- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Read, understand and follow the instructions before installing this product.
- Turn off all power supplying equipment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

## DIMENSIONS



## **V645** 10A SPDT Mini Command Relay

#### Installer's Specifications

Operating Temperature	-0°C to 60°C (-32° to 140°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
Insulation Class	277 VAC RMS
Wire Specifications:	
Lead Length	10″ (254mm) min.
Gauge	UL1015; Coil: 18AWG; Contacts: 16AWG
Agency Approvals	UL508 enclosed device listing, pollution degree 2

## **INSTALLATION**

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

- 1. Mount the unit using the DIN rail clip or the screw.
- 2. 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 (24-30 VAC/DC, white with blue stripe) or high voltage (120 VAC, white with black stripe) lead, depending on the application requirements, and connect it to the (+) source termination point.\*
- 3. Connect relay contacts:
  - Choose the relay common wire (yellow) and connect to the switched load.
  - Choose the relay N.O. (orange) or N.C. (blue) lead\* and connect to the switched load.
- 4. Secure the enclosure and reconnect power.

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

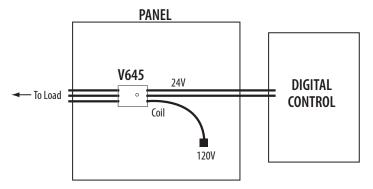
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## WIRING COLOR CODES

#### **CONTROL SYSTEM INPUT CONTACT OUTPUT** BLUE HI Hag White Hag N.C. wht/black 120VAC YELLOW LOW White 440 wht/blue Common 24VAC/DC сомм White wht/yellow Common ORANGE N.O.

### WIRING EXAMPLE



## **CONTACT AND COIL SPECIFICATIONS**

#### 

Resistive	10A@250VAC, N.O.
	7A@250VAC, N.C.
	6A@277VAC
	7A@30VDC
Motor	125VAC, 1/4 HP, N.O.

