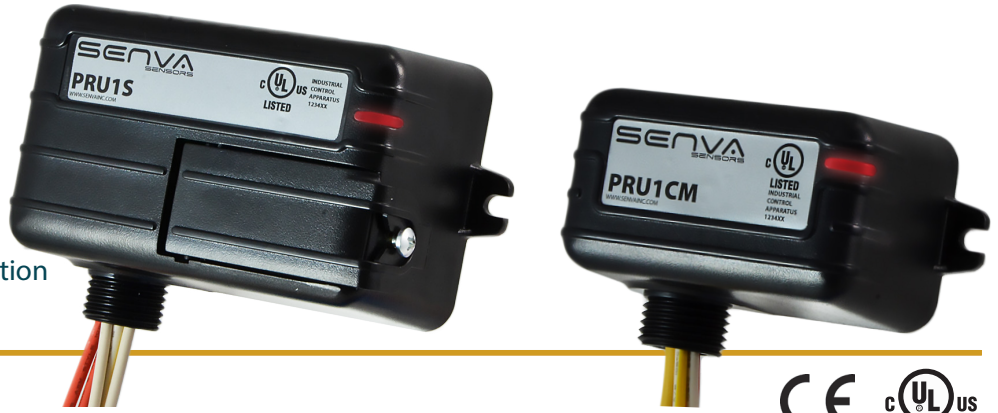


PRU1 Series Pilot Relays

10A range resistive rating
Hand Off Auto switch option
Current run-status confirmation option



DESCRIPTION

The PR Series pilot relays are ideal multi-voltage input pilot duty relays that mount to existing panels to control loads. External enclosures are not required making them ideal for interfacing loads with building automation control systems.

APPLICATIONS

- Command contactors
- Control motors
- Isolation
- Device interlocking
- Relay logic
- Lighting load levels

FEATURES

Convenient and cost-effective control

- Current sensor run status option
- LED indicator
- Multi-voltage coil input
- Hand-Off-Auto switch option

Compact enclosure mounts externally for easy installation

- Nipple mount to any electrical enclosure
- Flexible tinned stranded wire... fits easily in tight spaces and provides secure connections to wire nuts

Concealed HOA switch with screw secured cover prevents tampering

- Versions with Hand Off Auto (HOA) switch feature with secure screw cover door to prevent tampering
- Eliminates costly system override related service calls

Run status confirmation

- True current sensing provides proof of load feedback that pilot device relay coil is powered.

Rugged enclosure

- Rated for outdoor use.

Hinged HOA cover with screw retention minimizes tampering



MODEL	CONTACT	COIL INPUT	CONTACT	HOA	CURRENT RUN STATUS	ENCLOSURE	LED
PRU1C	SPDT	10-30VAC/DC, 120VAC	10A			Small	●
PRU1CM	SPDT	10-30VAC/DC, 120VAC	10A		N.O. 1A @ 30VAC/DC, 0.3A TRIP	Small	●
PRU1S	SPST N.O.	10-30VAC/DC, 120VAC	10A	●		Medium	●
PRU1SM	SPST N.O.	10-30VAC/DC, 120VAC	10A	●	N.O. 1A @ 30VAC/DC, 0.3A TRIP	Medium	●

SPECIFICATIONS

General	Environmental Operating	-30 to 60°C (-22 to 140°F), 10-95% RH non-condensing
	Expected Relay Life	100,000 cycles electrical; 10,000,000 mechanical
	LED	ON when energized
	Device Wiring	16" minimum lead length; coil: 18AWG; contacts: 14AWG; HOA monitor wires: 14 AWG; status: 18AWG
	Field Wiring	Coil: 16AWG to 18AWG, Contacts: 14AWG to 16AWG
Dimensions	Certifications	UL1015 , Plenum Rated (UL2043), California State Fire Marshal, CE, RoHS
	Small Enclosure	1.75"x3.0"x1.75" with 0.5" NPT nipple
	Medium Enclosure	2.5"x4.0"x1.78" with 0.5" NPT nipple

CONTACT RATINGS(PRU1C)
10 Amp Resistive @ 277 VAC
10 Amp Resistive @ 28 VDC
480 VA Pilot Duty @ 240-277 VAC
480 VA Ballast @ 277 VAC
<i>Not rated for electronic ballast</i>
600 Watt Tungsten @ 120 VAC (N.O.)
240 Watt Tungsten @ 120 VAC (N.C.)
1/3 HP @ 120 VAC (N.O.)
1/6 HP @ 120 VAC (N.C.)
1/4 HP @ 277 VAC (N.O.)
1/8 HP @ 277 VAC (N.C.)

CONTACT RATINGS(PRU1S)
10 Amp Resistive @ 277 VAC
10 Amp Resistive @ 14 VDC
480 VA Pilot Duty @ 240-277 VAC
480 VA Ballast @ 277 VAC
<i>Not rated for electronic ballast</i>
600 Watt Tungsten @ 120 VAC (N.O.)
1/3 HP @ 120/240 VAC (N.O.)
1/4 HP @ 277 VAC (N.O.)

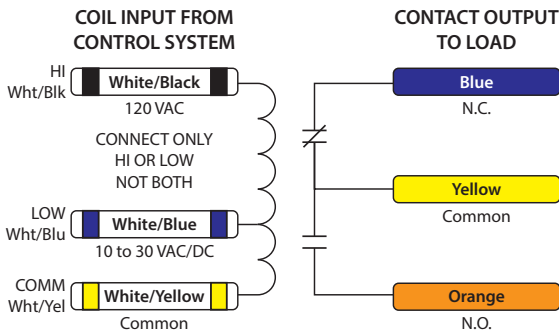
COIL CURRENT/PERFORMANCE		
Voltage	AC	DC
10 V	30mA	16mA
15 V	34mA	20mA
20 V	38mA	21mA
25 V	42mA	22mA
30 V	45mA	23mA
120 V	23mA	
Pull-In Voltage		
	AC	DC
10 to 30V	8V	9V
120V	85V	
Dropout Voltage		
10 to 30V	3V	3V



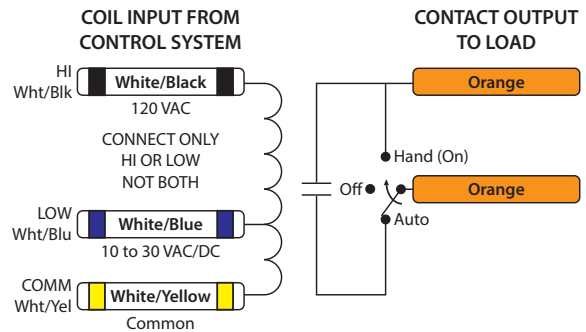
Warning: Refer to installation instructions that accompany product and heed all safety instructions. Do not rely on current status LED to indicate presence of power.

TYPICAL WIRING

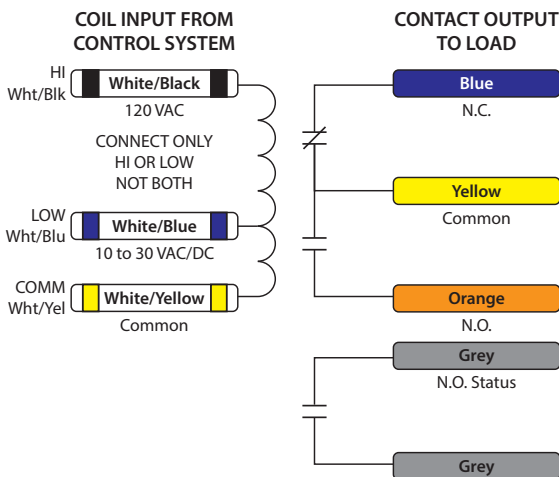
PRU1C



PRU1S



PRU1CM



PRU1SM

