PRU1 Series

Pilot Relays 10A

10A resistive rating
Multi-voltage coil operation
Hand Off Auto option with tamper resistant cover
Current run-status confirmation option



DESCRIPTION

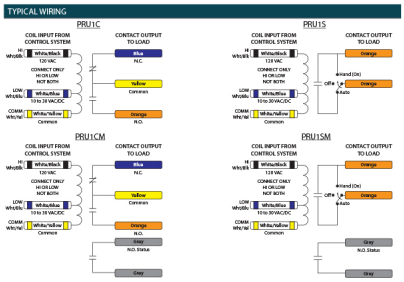
The PR Series pilot relays are ideal multi-voltage input pilot duty relays that mount to existing panels to control loads. External enclosures are not required making them ideal for interfacing loads with building automation control systems. Featuring the highest output in the smallest package, integrated current sensing, and a secure tamper resistant HOA.

APPLICATIONS

- Command contactors
- Control motors
- Isolation
- Device interlocking
- Relay logic
- Lighting load levels
- Great for data center Hand Off Auto-Pilot Relays



Hinged HOA cover with tamper resistant screw



Typical wiring



Ideal for multi-voltage input pilot duty relays that mount to existing panels

FEATURES

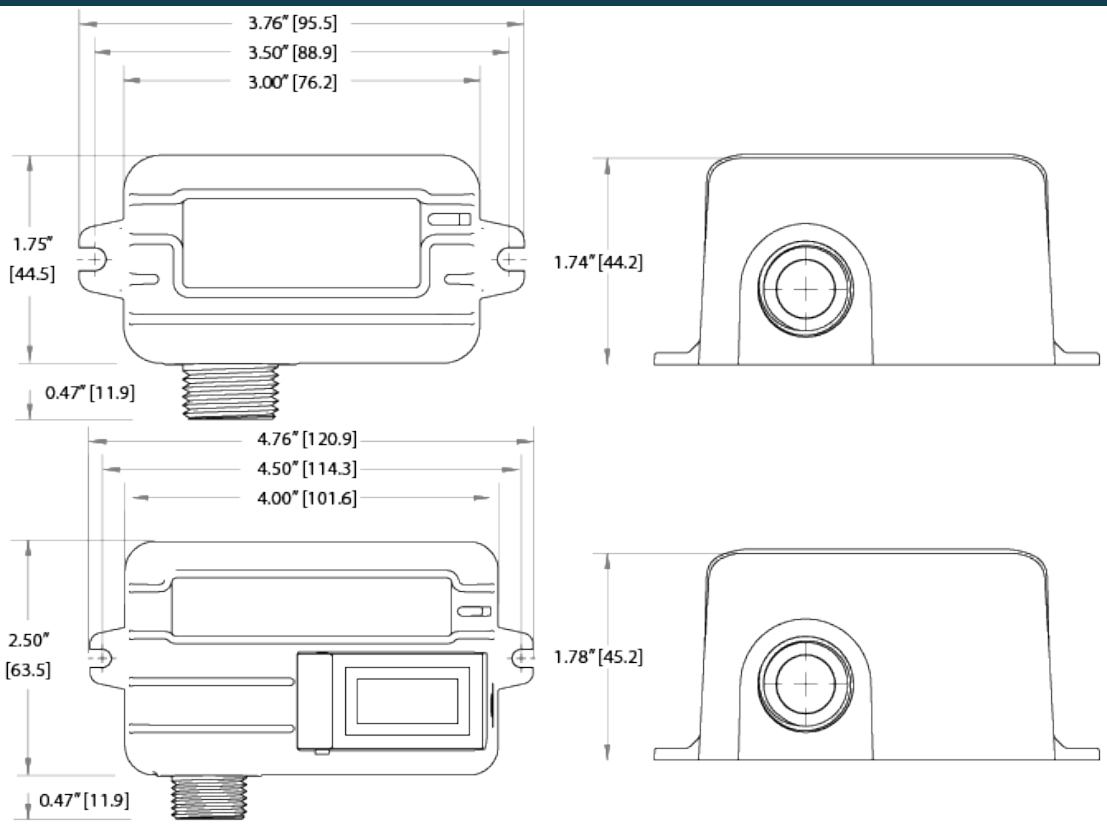
- Nipple mount to any electrical enclosure
- Flexible tinned stranded wire… easily fits tight spaces and provides secure connections to wire nuts.
- Versions with Hand Off Auto (HOA) switch feature with secure screw cover door to prevent tampering.
- Eliminates costly system override-related service calls

ORDERING

PILOT SMALL ENCLOSURE RELAY SINGLE SPDT CONTACT (1 N.C. & 1 N.O.) 10 AMPS	Coil Input w/LED	Hand/Off/Auto Switch	Status (Fixed 0.3 A Trip)	Current Switch
PRU1C	10-30VAC/DC, 120VAC		None	
PRU1CM	10-30VAC/DC, 120VAC		N.O. 1.0A@30VAC/DC	•

PILOT MEDIUM ENCLOSURE RELAY SINGLE SPST CONTACT (1 N.O.) 10 AMPS	Coil Input w/LED	Hand/Off/Auto Switch	Status (Fixed 0.3 A Trip)	Current Switch
PRU1S	10-30VAC/DC, 120VAC	•	None	
PRU1SM	10-30VAC/DC, 120VAC	•	N.O. 1.0A@30VAC/DC	•

DIMENSIONS



Warning: The datasheet is designed for reference only. Refer to installation instructions that accompany the product and heed all safety instructions. Product improvement is a continuing process at Senva. Changes may occur to products without prior notice.

SPECIFICATIONS

General		Environmental Operating	-30 to 60oC (-22 to 140oF), 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: 12AWG;	
		HOA monitor wires: 12 AWG; status: 18AWG	
	Field Wiring	Coil: 16AWG to 18AWG, Contacts: 12AWG to 14AWG	
		Certifications	UL1015
Dimensions		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
Not rated for electronic ballast
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
Not rated for electronic ballast
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

** Product improvement is a continual process at Senva and product features and specification may change without prior notice. Refer to instructions that accompany the product for installation and wiring.*