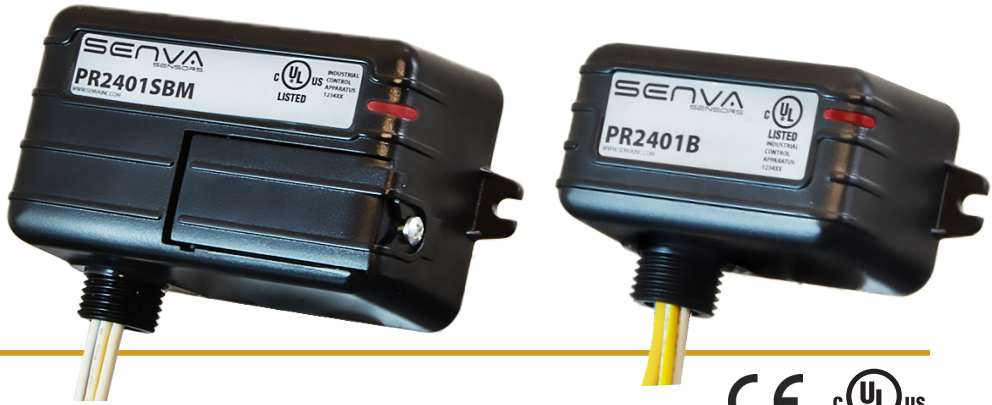


PR24 Series Power Relays

20A 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 Nema 4X when installed with O-ring and 1/2" locknut on existing Nema 4X control panel.

Hinged HOA cover with screw retention minimizes tampering



MODEL	CONTACT	COIL INPUT	CONTACT	HOA	CURRENT RUN STATUS	ENCLOSURE	LED
PR2401B	SPDT	24-30VDC, 24VAC, 120VAC	20A			Small	●
PR24BM	SPDT	24-30VDC, 24VAC	20A		N.O. 1A @ 30VAC/DC, 0.3A TRIP	Small	●
PR2401SB	SPST N.O.	24-30VDC, 24VAC, 120VAC	20A	●		Medium	●
PR2401SBM	SPST N.O.	24-30VDC, 24VAC, 120VAC	20A	●	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: 12AWG; HOA monitor wires: 12 AWG; status: 18AWG
	Field Wiring	Coil: 16AWG to 18AWG, Contacts: 12AWG to 14AWG
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(PR2401B/PR24BM)	CONTACT RATINGS(PR2401SB/PR2401SBM)	COIL CURRENT/PERFORMANCE		
20 Amp Resistive @ 277 VAC/30VDC NO/NC	20 Amp Resistive @ 277 VAC NO	Voltage	AC	DC
1HP @ 120VAC NO/NC	1HP @ 120VAC NO	24 V	59mA	32mA
2HP @ 277VAC NO/NC	2HP @ 277VAC NO	26 V		35mA
20A @ 120/277VAC STANDARD BALLAST NO	20A @ 120/277VAC STANDARD BALLAST NO	28 V		37mA
1100VA Pilot Duty @ 277VAC	1100VA Pilot Duty @ 277VAC	30 V		40mA
<i>Not rated for electronic ballast</i>	<i>Not rated for electronic ballast</i>	120 V	43mA	
10A @ 120VAC TUNGSTEN NO	10A @ 120VAC TUNGSTEN NO	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

