

INSTALLATION INSTRUCTIONS



3825 Ohio Avenue, St. Charles, Illinois 60174
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www.systemsensor.com

156-2192-005

PR-2/PR-3 Multi-Voltage Relay

Specifications

Operating Voltage:	10 to 40 VDC	
Operating Current:	30 mA max.	
Operating Temperature Range:	-40°F to 158°F (-40°C to 70°C)	
Storage Temperature Range:	-40°F to 185°F (-40°C to 85°C)	
Humidity:	10 to 93% RH non-condensing	
Wire Length:	8" min. (203 mm)	
Dimensions:	0.91"H x 1.65"W x 1.22"D (23 mm H x 42 mm W x 31 mm D)	
Accessories:	PR-2: 5 wire nuts PR-3: 7 wire nuts One piece of double sided tape One 1 ¹ / ₄ " screw	
Contact Ratings:	120 VAC	10A max. (resistive load)
	120 VAC	7A max. (0.35 PF)
	250 VAC	10A max. (resistive load)
	30 VDC	10A max. (resistive load)

NOTICE: This manual should be left with the owner/user of this equipment.

General Description

Model PR-2 and PR-3 are epoxy encapsulated single pull double throw (SPDT) relays that are activated by 10 to 40 VDC. The PR-2 also uses a red LED as a visible indication of relay coil energization. The PR-3 contains an additional black and red wire used for redundant power input.

Mounting

For ease of installation, the PR-2/PR-3 relays may be mounted in a variety of ways. They can be attached within compatible equipment or in a separate enclosure using a mounting screw. Double sided tape is also provided for additional support.

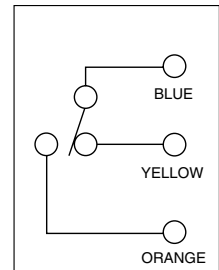
Wiring

NOTE: All wiring must conform to applicable local codes, ordinances, and regulations.

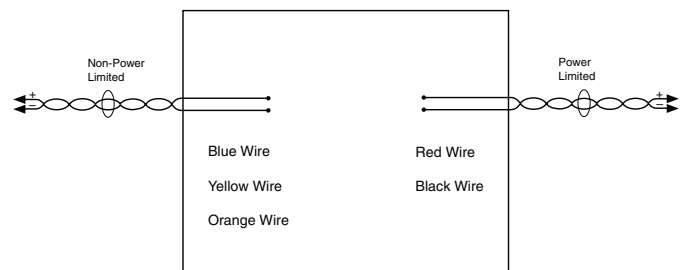
The PR-2/PR-3 connections are shown on the label on the side of the relay. Using the enclosed wire nuts, secure the electrical connections appropriate to the application. Provisions must be taken to separate power limited and non-power limited wiring per National Electrical Code requirements. Field installable wiring connected to the product must have a minimum 1/4 inch spacing between the power limited and non-power limited wire.

WIRE DEFINITIONS

RED	POWER INPUT (+)
BLACK	POWER INPUT (-)
BLUE	RELAY - COMMON
YELLOW	RELAY - NORMALLY CLOSED
ORANGE	RELAY - NORMALLY OPEN



C0208-01



C0898-00

Three-Year Limited Warranty

System Sensor warrants its enclosed relay to be free from defects in materials and workmanship under normal use and service for a period of three years from date of manufacture. System Sensor makes no other express warranty for this relay. No agent, representative, dealer, or employee of the Company has the authority to increase or alter the obligations or limitations of this Warranty. The Company's obligation of this Warranty shall be limited to the repair or replacement of any part of the relay which is found to be defective in materials or workmanship under normal use and service during the three year period commencing with the date of manufacture. After phoning System Sensor's toll free number 800-SENSOR2 (736-7672) for a Return Authorization number, send defective units postage prepaid to: System Sensor, Repair Department, RA # _____, 3825 Ohio Avenue, St. Charles, IL 60174. Please include a note

describing the malfunction and suspected cause of failure. The Company shall not be obligated to repair or replace units which are found to be defective because of damage, unreasonable use, modifications, or alterations occurring after the date of manufacture. In no case shall the Company be liable for any consequential or incidental damages for breach of this or any other Warranty, expressed or implied whatsoever, even if the loss or damage is caused by the Company's negligence or fault. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.