

KEY SPECS

Lens High Bay Aisleway
Enclosure Recessed Mount
Power Type Line Voltage
Detection Passive Infrared

TYPICAL APPLICATIONS

High Bay Aisleways
Individual Fixture Control
Inboard/Outboard Switching
T-5/T-8 Fluorescent

FEATURES

Up to 45 ft. Mounting
30 sec. to 20 min. Time Delays
(1 each pole)
2 Self-contained Relays,
no Power Packs required
No Minimum Load
Push-Button Programmable
100 hr. Lamp Burn-in Timer
Green LED Indicator

PHYSICAL SPECS

Size 4.40" (11.18 cm) square
Weight 6 oz.
Mounting Recessed into a 4" x 4"
square junction box
Color White

ELECTRICAL SPECS

Load Rating/Pole (1 Phase Only)
800 W @ 120 VAC
1200 W @ 277 VAC
1500 W @ 347 VAC
Motor Load 1/4 HP
Frequency 50/60 Hz
Timers are 1.2x for 50 Hz

ENVIRONMENTAL SPECS

Operating Temp
14° to 160° F (-10° to 71° C)
Storage Temp
-14° to 160° F (-26° to 71° C)
Relative Humidity
20 to 90% non-condensing
-LT Option
Circuit board is coated to be
corrosion resistant to moisture
and operate down to -40°F/°C

OTHER

UL and CUL Listed
Title 24 Compliant
5 Year Warranty
Made in the U.S.A.

RMR-50-2P SERIES



With two separate relays, the *RMR-50-2P Series* occupancy sensor is ideal for controlling A/B switching of T-5 & T-8 fluorescent fixtures. The *RMR-50-2P* provides Bi-Directional High Bay Aisleway sensing extending 70-110 feet when mounted at heights of 30-45 feet. This sensor is line powered and is specifically designed to recess mount into linear High Bay fluorescent fixtures using standard 4" x 4" junction box spacing. The sensor's view pattern covers the area lit by three typically spaced High Bay fixtures. Therefore, when mounted at a fixture, the coverage area extends out to the area that is lighted by the neighboring fixtures. This effect is useful with some Program-Start ballasts that have a delay such that when traveling in a fork-lift truck, lighting needs to be initiated "On" ahead of the truck. In cold damp environments, use the -LT option.

SENSOR OPERATIONS

The sensor detects changes in the infrared energy given off by occupants as they move within the field-of-view. When occupancy is detected, two separate self-contained relays switch the loads "On". The sensor is line powered and can switch a large range of line voltages. Each pole has an internal timer, factory set at 10 minutes, which keep the lights "On" during brief periods of no activity. These timers are push-button programmable from 30 seconds to 20 minutes, and are reset every time occupancy is re-detected. This state-of-the-art design requires no manual sensitivity adjustments.

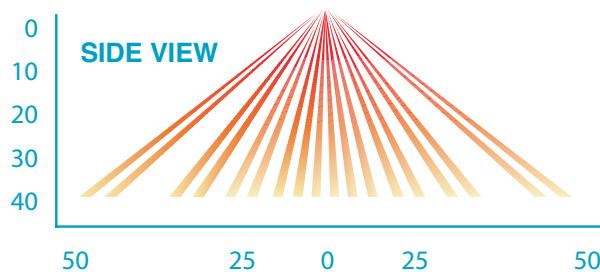
ORDERING BLOCK

RMR-50-2P-[VOLTAGE]-[TEMP/HUMIDITY]		
OPTIONS	VOLTAGE	TEMP/HUMIDITY
	Blank = 120-277 VAC -3 = 347 VAC	Blank = 14° to 160° F -LT = -40° to 160° F

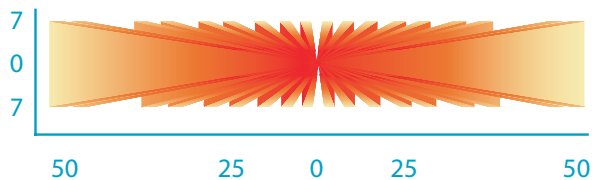
COVERAGE PATTERN

50 HIGH BAY AISLEWAY LENS

- Provides 50° bi-directional and 10° wide coverage pattern
- 1.2 x mounting height equals approximate detection range in either direction.
- Typical 40 ft. mounting detects 50 ft. in either direction



TOP VIEW



MASKING KIT

- A masking kit is provided with the sensor in order to mask off a portion of the view pattern for end-of-aisle applications.

90° LENS ROTATION

- The sensor's lens turret rotates 90° in order to easily adjust the direction of the view pattern

Note: Heat producing sources controlled by the sensor must not be in the view pattern of the sensor. If sensor cycles or appears to continually stay "On", move sensor or mask lens segments that view the source.

* diagrams labeled in feet

WIRING (DO NOT WIRE HOT)

STANDARD WIRING

- BLACK* - Line Input (pole 1)
- BLACK* - Load Output (pole 1)
- BLUE** - Line Input (pole 2)
- BLUE** - Load Output (pole 2)
- WHITE - Neutral

347 VAC OPTION

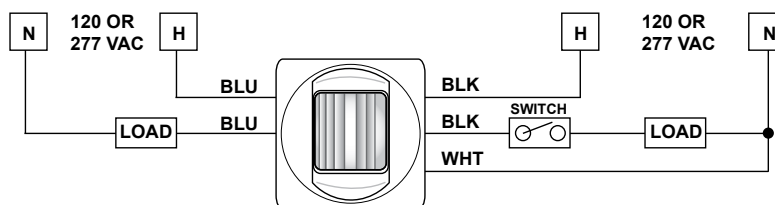
Black wires are replaced w/ Red wires

WIRING NOTES

The sensor may be wired before or after local toggle switches. If only one feed, connect one of the Black and one of the Blue wires to the feed, and the respective Black and Blue wires to the loads.

INITIAL POWER UP (3 MINUTE WARM-UP)

The relays in the sensor are shipped in a latched closed position so that when power is initially applied the lights will come on. The sensor will then begin to "time out" after a 1-3 minute warm-up period. If the lights do not immediately turn on (initial installation only) the latching relays opened during shipment and will close after warm-up period is over.

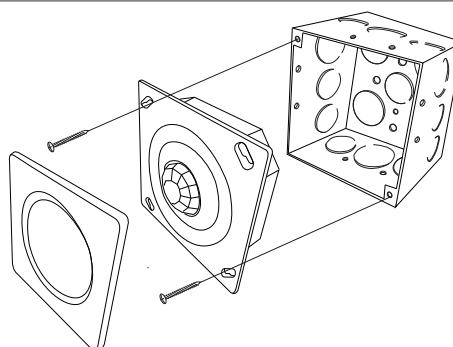


* Black wires can be reversed

** Blue wires can be reversed

INSTALLATION

- The Recessed Mount enclosure is designed to fit inside a 4" square junction box (minimum box depth 2.125").
- Passive Infrared sensors detect motions crossing the beams much stronger than when entering the beams. The outer beams used for initial detection should be aligned for maximum coverage.



sensorswitch

WARRANTY: Sensor Switch, Inc. warrants these products to be free of defects in manufacture and workmanship for a period of 60 months. Sensor Switch, Inc., upon prompt notice of such defect will, at its option, provide a Returned Material Authorization number and repair or replace returned product.

LIMITATIONS AND EXCLUSIONS: This Warranty is in full lieu of all other representation and expressed and implied warranties (including the implied warranties of merchantability and fitness for use) and under no circumstances shall Sensor Switch, Inc. be liable for any incidental or consequential property damages or losses.