

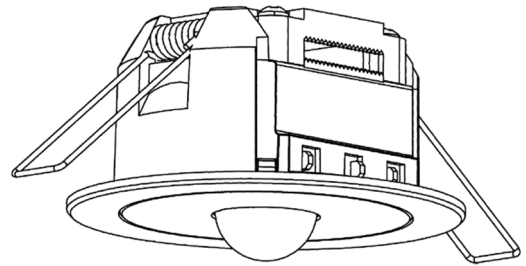
OZ-MSP360-7W Recessed Indoor Mains Vacancy Sensor

PRODUCT SUMMARY AND CAPABILITIES

This mains-powered motion sensor acts as a movement / vacancy sensor, typically suited for commercial applications that require a switched circuit with movement sensing.

When used in a switched circuit, this sensor will power on the load immediately after the series switch is turned ON. The sensor will keep the load on while movement is detected. After movement ceases the load will be turned OFF after a timeout period (vacancy detection).

The sensor is suitable for use with or without the series mains switch.



FEATURES

- Low profile design for minimal protrusion into a ceiling space.
- Large terminals for ease of installation.
- Simple 3-position slide switches allow easy and accurate timing and setup.
- Transparent terminal cover for easy inspection of terminals and wiring.

IMPORTANT NOTES AND SAFETY INFORMATION



WARNING – Electric shock may result in serious injury or death. Follow all warnings in this guide and on the product. Work in accordance with the latest electrical safety practices and your local regulations.

- This product must be installed by a licenced electrical contractor or electrician in accordance with your local conditions and wiring rules.
- Isolate the circuit power before doing electrical work on the sensor or the load controlled by the sensor.
- **The sensor is not to be used as an isolation device.**
- There are no user serviceable parts inside the sensor. Do not attempt to disassemble the sensor or operate it with the wiring cover removed.
- This sensor is for **indoor use only**.

INDICATORS

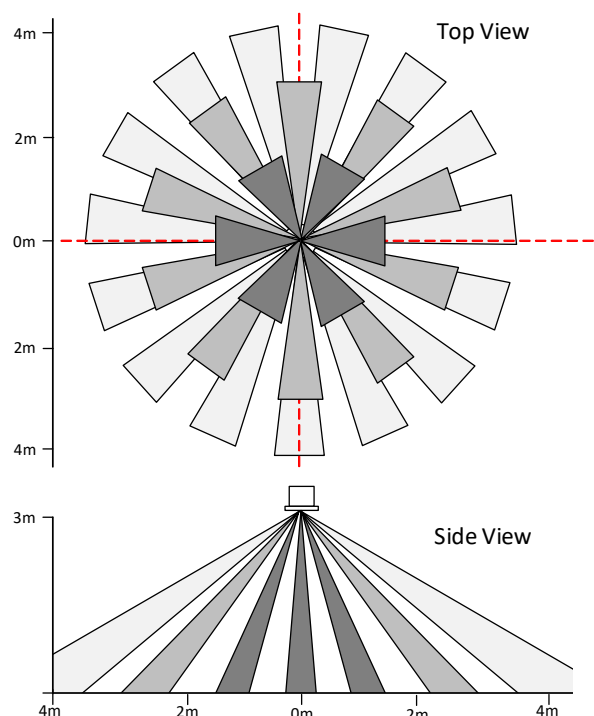
A green glowing indicator is located under the motion sensor lens. This shows when warm-up or walk test is active.

DETECTION CONSIDERATIONS

This product is a PIR-type movement sensor. These sensors detect movement of infrared heat such as a person's body heat moving across the detection zone.

- Detection is most effective when the direction of travel is across the field of view, rather than towards or away from the sensor
- Avoid placing the sensor where drafts of hot or cold air can cause nuisance triggering such as close to heating vents, air conditioner outlets, near metal roofs, etc.
- Avoid aiming the sensor towards objects with reflective surfaces such as glass or metal.

Detection Beam Patterns



WALK-TEST Mode

Enter Walk-Test Mode by cycling power to the sensor ON and OFF 5 times within 5 seconds or by sliding the LUX switch back and forward to its full extent 3 times within 5 seconds.

The green LED will blink quickly for 15 seconds while the sensor is warming up. Movement is not detected while the green LED is blinking.

The green LED will turn ON solid when the sensor has entered Walk-Test Mode.

Perform a Walk-Test to check the sensitivity is appropriately selected. Adjust if required. Lux and Time settings are ignored in Walk-Test mode.

Exit Walk-Test mode by either (1) turning the power OFF and ON or (2) waiting 15mins for Walk-Test mode to time out.

OVERRIDE ON Mode (with switch wired in series)

Cycle power twice within 5 seconds to activate Override On.

Power cycle once to exit OVERRIDE ON Mode.

AUTO/SENSING Mode

Movement is not detected during the 15 second warm up time while the green LED blinks slowly.

When warm up is complete the LED will extinguish.

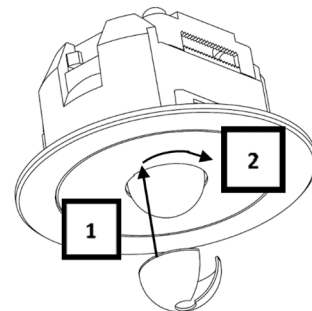
INSTALLATION

1. Select an appropriate installation location according to the **DETECTION CONSIDERATIONS**.
2. Run cabling.
3. Cut a 70-73mm hole in mounting surface. Take care - the motion sensor protrudes 46mm into the ceiling space.
4. Terminate cables to the motion sensor terminals. Refer to **WIRING DIAGRAMS**.
5. Adjust the Lux, Sensitivity, and Time to the desired setting by sliding the switches.

- Lux - (Dark, Dusk, Day) +
- Sensitivity - (Low, Med, High) +
- Time - (5 min, 15 min, 30 min) +



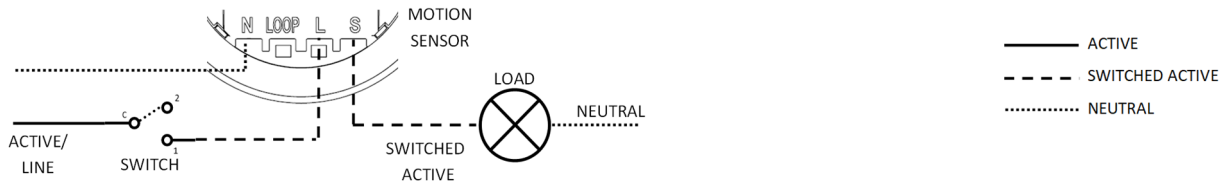
6. If required:
 - use a sharp knife to trim the lens mask to a size that opens the areas where movement should be detected.
 - Fit the lens mask by aligning the lugs on the lens mask with the recesses on the front face of the sensor.



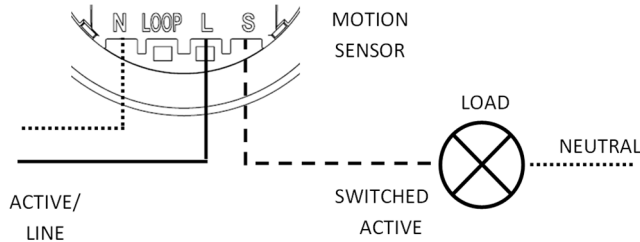
7. Fold back the springs and push the sensor through the hole and part way into the ceiling. Leave the sensor resting so that the adjustment switches are accessible.
8. Apply power to the circuit
9. Check operation. Perform **WALK-TEST** if required.

WIRING DIAGRAMS

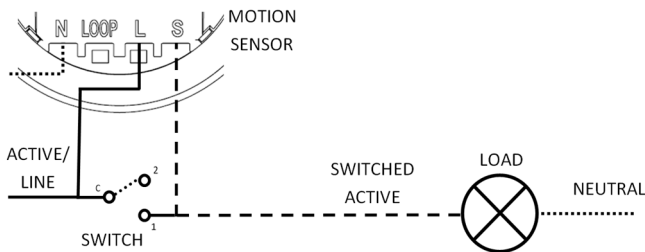
Standard Installation: Vacancy Detection Mode / Override OFF (switch in series with sensor)



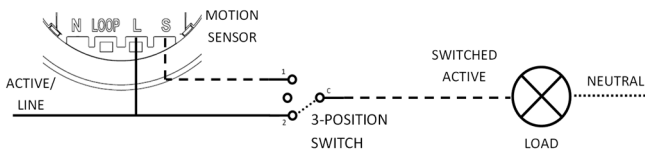
Occupancy & Vacancy Detection (note: load will be powered on after a mains power interruption / restore)



Manual Override ON (switch in parallel with sensor)

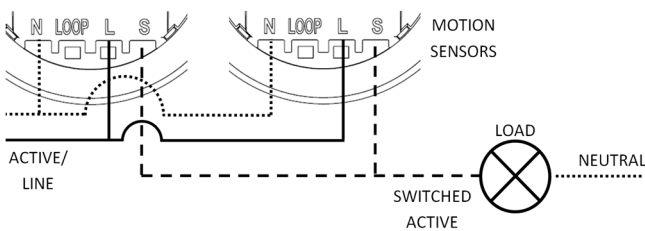


VACANCY/OFF/ON using 3-position switch



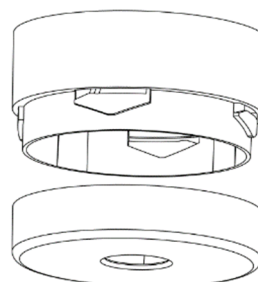
Range Increase: Sensors wired in Parallel

(Note: optionally with series mains switch feeding to "L" on all parallel connected sensors)









OPTIONAL ACCESSORIES

The OZ-MPS360-SMHW Surface Mount Adaptor can be used to install the sensor to round conduit junction boxes, for example for mounting in concrete slab construction.



TECHNICAL SPECIFICATIONS

Sensor type	Passive Infrared		
Override On	Yes		
Connections	Switch (Load), Line (Active), Loop, Neutral		
Supply voltage	230 - 240 V AC 50-60 Hz		
Max cable size	4x 2.5 mm ² cable per terminal		
Clear Wiring Cover	Yes, to allow easy inspection of wiring		
Standby Power / Current	150 mW / 5 mA		
Load Ratings	Self-ballasted LED lamp		2400 W
	Electronic Transformers		2400 W
	Iron-Core Transformers		2400 W
	Incandescent, Halogen, Dichroic lamps		2400 W
	Self-ballasted fluorescent lamps		2400 W
	Small motor loads		M.2
Cut out Size	70-73 mm		
Recess Depth	46 mm from mounting surface		
Temperature Rating	0°C to 50°C		
Detection range (diameter)	Mounting Height	Major Movement*	Minor Movement**
	2.4 m	>6 m	4 m
	2.7 m	>7 m	5 m
	3 m	>8 m	5 m
Angular Detection	30°-360° (with adjustable lens mask)		

* Major movement: a person moving 1m across the field of view.

** Minor movement: movement of an arm or similar.

WARRANTY

This product has a TWO YEAR warranty against manufacturing defects. The warranty applies from the date of purchase.

Refer to ozuno.com for the full conditions for warranty and returns process. A summary of the process:

1. Contact the seller of the goods, or in their absence contact Ozuno to request a return goods authorisation.
2. When a return is authorised, the goods must be returned to Ozuno at the owners expense for technical evaluation.
3. The warranty claim will be evaluated by Ozuno and accepted if the goods are found to be faulty, or rejected if the fault was caused by conditions beyond the responsibility of Ozuno. Considerations of installation, removal, return, freight and testing are not the responsibility of Ozuno.

The Australian Consumer Law requires the inclusion of the following statement with this Warranty:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Ozuno Trading Pty Ltd (Ozuno) reserves the right to alter the specifications, designs or other features of any items and to discontinue any items at any time without notice and without liability. While every effort is made to ensure that all information in this user and installation guide is correct, no warranty of accuracy is given and Ozuno shall not be liable for any error.

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