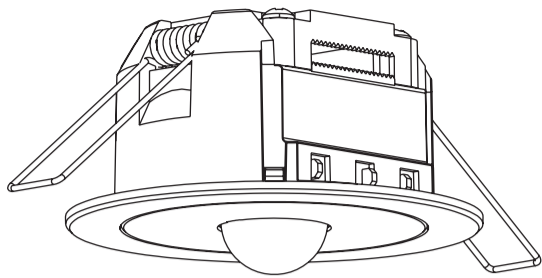




360 degree Recessed Indoor Motion Sensor IMS70 INSTALLATION GUIDE



FEATURES

- Slim design and compact profile for minimal protrusion into the ceiling space
- Large terminals for ease of installation
- 3-position slide switches for accurate setup
- 8-hour manual override mode
- Transparent terminal cover for easy inspection of terminals and wiring

WARNINGS

- **IMPORTANT:** This device must be installed by a licensed electrician and in accordance with national and local building regulations and the latest edition of the Australian and New Zealand wiring rules, AS/NZS 3000.
- Isolate power before working on the sensor circuit
- This is a control device only – this sensor is not to be used as an isolation device

MOUNTING THE SENSOR

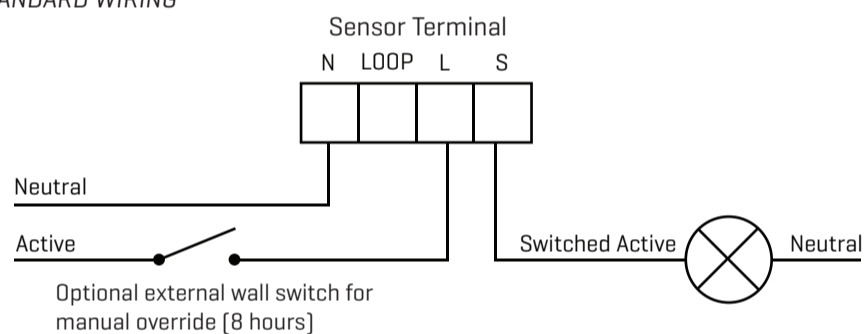
Cut a 70-73mm hole in the mounting surface. The motion sensor protrudes 41mm into the ceiling space.

Note:

- As the sensor responds to differences in temperature, avoid mounting the sensor near heat sources, such as air conditioning outlets
- Detection is most effective when the direction of travel is across the field of view, not towards or away from the sensor

WIRING THE SENSOR

STANDARD WIRING



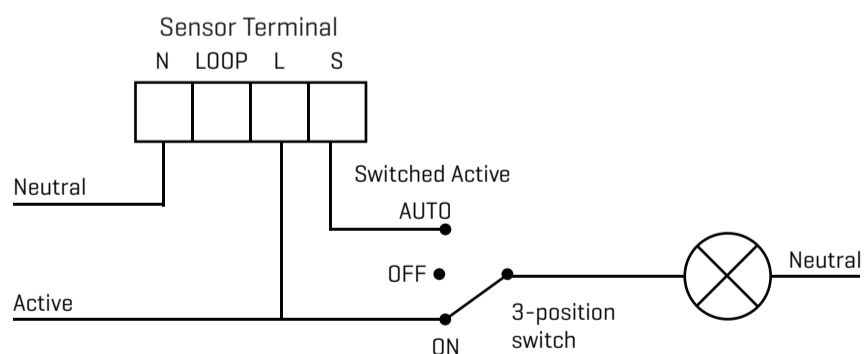
MANUAL OVERRIDE OPERATION

Using a manual override switch, the sensor can be bypassed to turn the load ON for 8 hours, regardless of movement or light level. After 8 hours the sensor reverts to normal sensor operation.

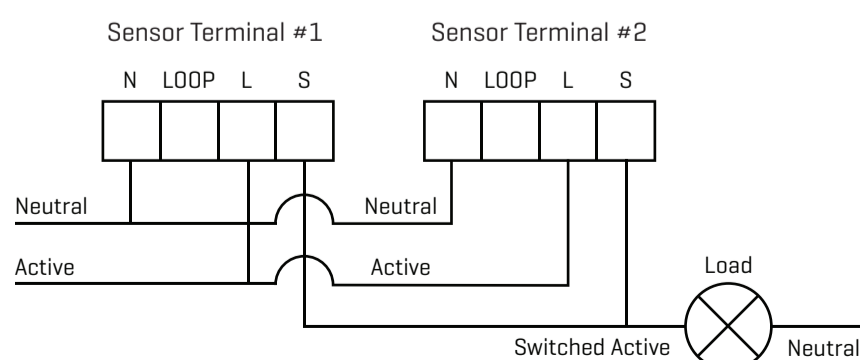
To set Manual Override operation, with the manual override switch ON, switch the manual override OFF → ON → OFF → ON quickly (within 5 seconds).

When in 8-hour manual override mode, the sensor can be changed back to normal sensor mode at any time by switching the manual override OFF → ON quickly (within 1 second). The load will turn ON and the sensor reverts to normal operation.

WIRING WITH 3-POSITION AUTO-MANUAL-OFF SWITCH



WIRING MULTIPLE SENSORS TO CONTROL THE SAME LOAD



COMMISSIONING

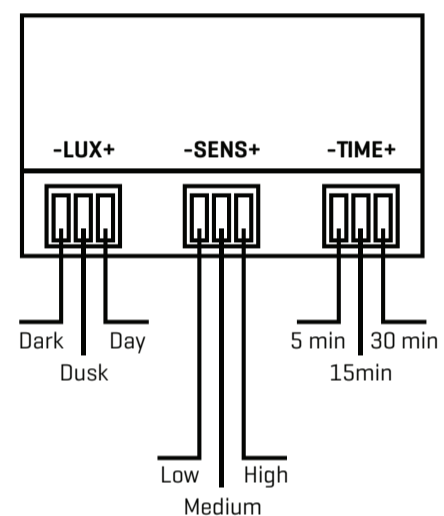
WALK-TEST

1. If not powered on already, turn on power to the sensor. The green LED will blink for 15 seconds while the sensor is warming up. When warm-up is complete, the LED will turn off. Note that movement is not detected while the green LED is blinking.
2. Enter Walk-Test Mode by one of the following methods
 - a. Cycle the power to the sensor OFF and ON 4 times within 5 seconds, or
 - b. Slide the LUX switch back and forward to its full extent 4 times within 5 seconds.
 Using either method, when the green LED is ON (not flashing), the sensor is in Walk-Test Mode.
3. Perform the Walk-Test, adjusting the sensitivity if required. In Walk-Test mode, when movement is detected, the lights connected to the sensor will switch ON for 3 seconds each time movement is detected.

Note: 'Lux' and 'Time' settings are ignored in Walk-Test mode.
4. Walk-Test mode will time out after 15 minutes, after which it will return to normal operation. Walk-Test will time out earlier than 15 minutes if:
 - a. Power to the sensor is turned OFF and back ON, or
 - b. If there is no movement detected for 1 minute while in Walk-Test mode, the sensor returns to normal operation

ADJUST LUX, SENSITIVITY, AND TIME

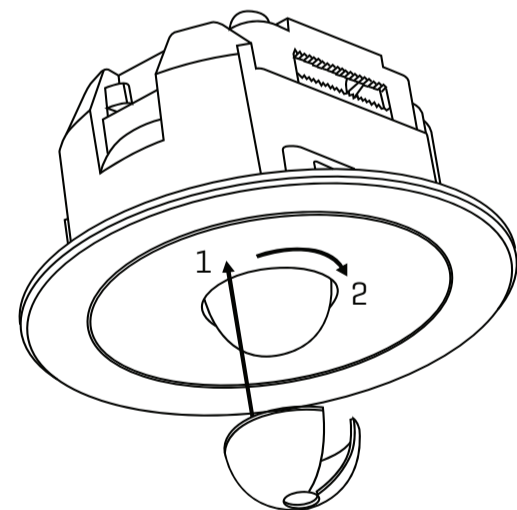
Adjust the Lux, Sensitivity, and Time to the desired setting by sliding the 3-position switches.



LENS MASK

If required, trim the lens mask to cover the areas in which movement should not be detected.

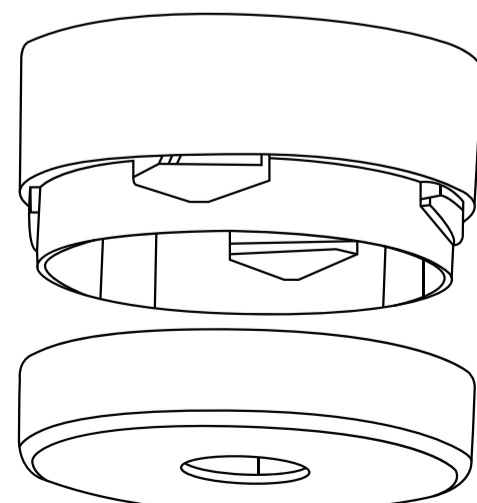
Install the lens mask by aligning the lugs on with the recesses on the front face of the sensor.






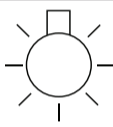


OPTIONAL ACCESSORIES

IMS70-SMK: Surface Mounting Kit (sold separately).

The IMS70 Surface Mount Kit fits onto round conduit junction boxes for mounting onto concrete slabs.



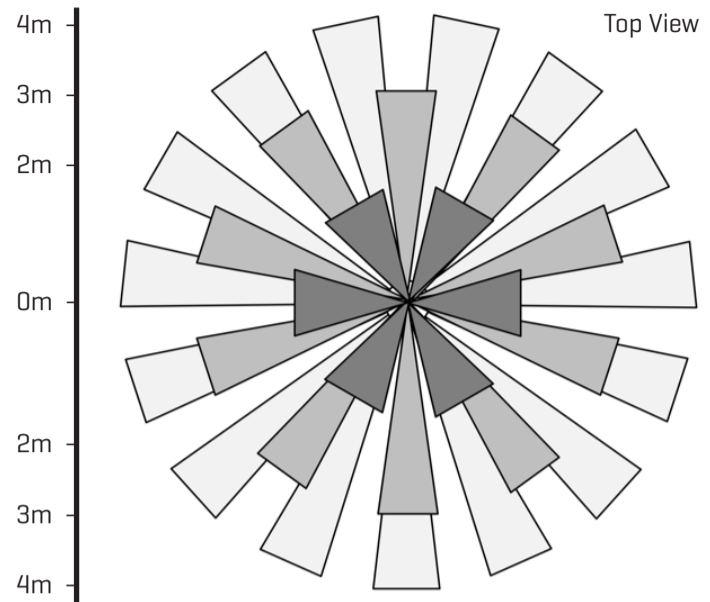
TECHNICAL SPECIFICATIONS

Sensor type	Passive Infrared		
Manual Override	Yes, 8-hour override ON		
Connection	Line [Active], Loop, Neutral and Switched output		
Supply voltage	230-240V AC 50-60Hz		
Terminal Max cable size	4x 2.5mm ²		
Standby Power / Current	150mW / 5mA		
Load Ratings	Self-ballasted LED lamp		2400W
	Electronic Transformers		2400W
	Iron-Core Transformers		2400W
	Incandescent, Halogen, Dichroic lamps		2400W
	Self-ballasted fluorescent lamps		2400W
	Small motor loads		M.2
Cut out Size	70-73mm		
Recess Depth	41mm from mounting surface		
IP Rating	IP23 from below		
Temperature Rating	0°C to 50°C		
Detection range [diameter]	Mounting Height	Major Movement*	Minor Movement**
	2.4m	>6m	4m
	2.7m	>7m	5m
3m	>8m	5m	
Angular Detection	360° without mask, approximately 30° minimum with lens mask		
Conformity	AS 60669.2.1:2020, AS/NZS 60669.1:2020, AS CISPR 15:2017		

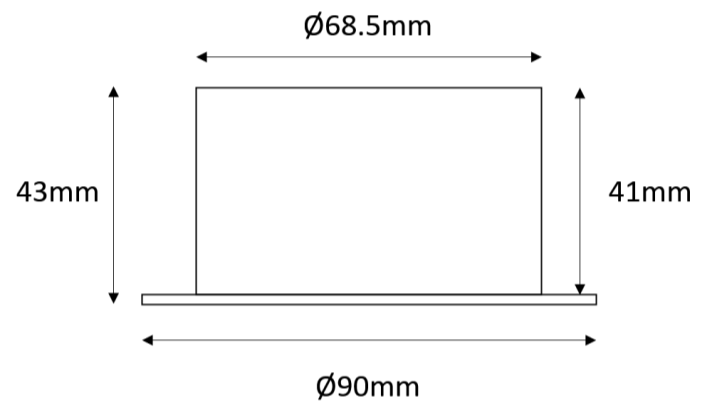
* Major movement is defined as a person moving 1m across the field of view

** Minor movement is defined as a stationary person bending an arm through 90° at the elbow

DETECTION FIELD OF VIEW



DIMENSIONS



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