

Theta

Sensor & Time Switch Solutions



Distributed by
OMEGA

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Omega and Theta Smarter Switching Solutions bring **MORE ENERGY SAVINGS** and **GREATER CLIMATE CONTROL** to your projects.

Energy Saving is all about the right choice. Choosing the right Lighting, HVAC or Alarm control sensors is the key to achieving energy savings with ease of use. Choosing a Smarter Switching Solution can provide over 75% of energy-saving potential for your customers.

With Lighting control, it is essential to find out which function you want to make the right choice.

- Do you want the light to turn on and off automatically, or to turn on when entering the room.
- Do you want to take advantage of the incoming daylight.
- Or do you just want to dim the light instead of turning it on and off.

Similar questions can be asked about HVAC control.

Use this guide to choose the right Smarter Switching Solution. On the back page is a Ready Reckoner that highlights main features and compares the sensors in our range.

- Motion Sensors**
- Presence Sensors**
- Ultrasonic Sensors**
- High Frequency Activated Sensors**
- Lux Activated Sensors**
- Time Switches**
- Highbay Microwave Sensors**

As technologies improve, we are constantly refining, adapting and sourcing the latest products for our Sensor range to meet current market expectations and future demands. We have four categories of sensors - each tailored for specific needs and functions.

Suits Business, Residential, Retail, Commercial and Industrial.

Typical Applications (in Lighting & HVAC) include:

- Classrooms • Offices • Conference Rooms
- Corridors • Stairwells • Kitchens/Canteens
- Production/Warehouses • Sports Facilities
- Storage Rooms • Copying Rooms

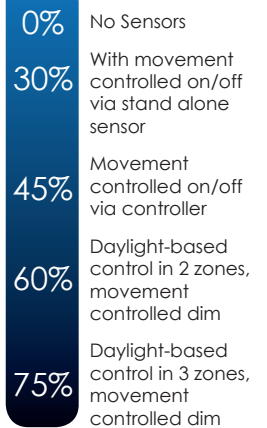


Standards

Omega's Sensor Solutions Range meet all required standards for efficiency and performance. Nationally and internationally through our Australian Standards and CE accredited products.



Energy Savings:



Handy Information

Knowledge Base on Sensors:

A sensor is a device that detects and responds to some type of input from the physical environment.



A Motion Sensor operates a device or system by sensing the movement of infrared light from a body in motion.

A Presence Sensor operates a device or system by sensing the infrared light from a stationary body.

An Ultrasonic Sensor operates a device or system by using sound pulses to measure reflections off moving objects.

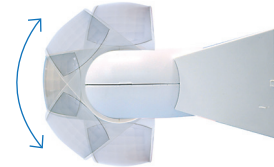
A High Frequency Sensor operates a device or system by sound, or noise, or combination of noise and movement.

A Lux Activated Sensor operates a device or system by the external or internal ambient lighting condition.

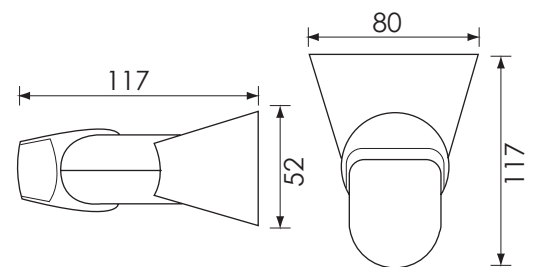
MS180 FLEXIBLE COMPACT MOTION SENSOR

Designed for indoor or outdoor use.
This 1 Channel motion sensor has an adjustable head that allows up to 12 metre detection.

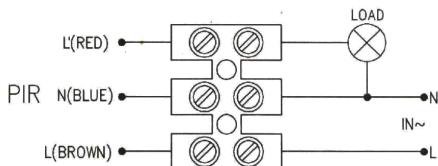
Specifications	MS180
Channel	1
Input Voltage	240 V 50/60 Hz
Load:	Resistive: 5.2Amp Inductive: 1.6Amp
Light Switch-off Delay	10 seconds ~ 15 minutes
Detection Distance	12m radius at a height of 2.5m
Lux	3 - 2000 Lux
Operating Temperature	-20°C ~ +40°C
Detection Angle	180°
Environment Protection	IP65
Installation Type	Wall or Ceiling Mounted



Scale Drawing

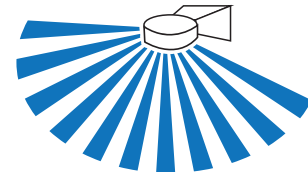


Wiring Diagram

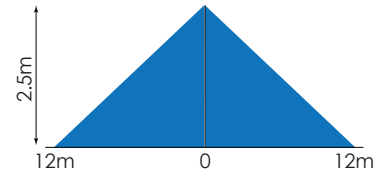


Detection Distance

GOOD SENSITIVITY

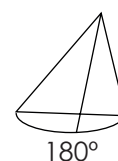
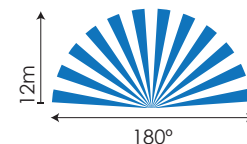


SIDE VIEW



■ Motion Range

TOP VIEW



MS3601CH & MS3602CH OUTDOOR FLEXIBLE MOTION SENSORS

For outdoor use, these motion sensors are quick and easy to install, and can be used with either incandescent, fluorescent or halogen load.

Available in 1 or 2 Channel. Extra features include:

- “Ambient Light Level” control
- Extra wide 16m detection zone
- Wide operating temperature range
- Automatic “Detecting Sensitivity” adjustment

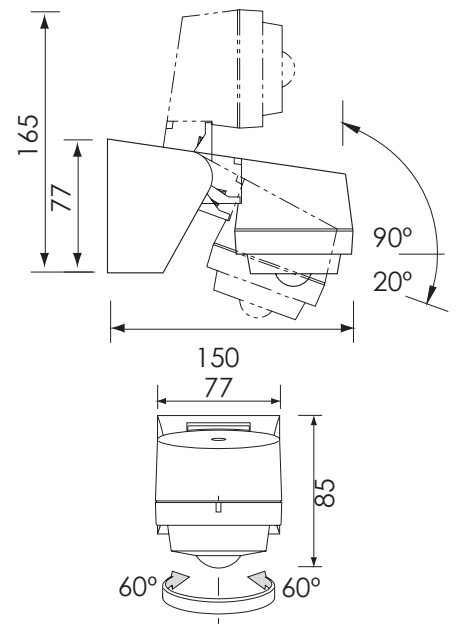


Specifications	MS3601CH	MS3602CH
Channel	1	2
Input Voltage	220-240 V ~50 Hz	
Load I	Resistive: Max 14Amp Inductive: 3.5Amp	Max 14Amp 3.5Amp
Load II	Resistive:	120W Res 0.5Amp
Light Switch-off Delay	6 seconds ~ 12 minutes	
Detection Range	16m diam. at a height of 2.3m	
Lux	adjustable “Ambient Light Level” control	
Operating Temperature	-20°C ~ +45°C	
Detection Angle	0 ~ 360°	
Environment Protection	IP44	
Installation Type	Wall or Ceiling Mounted	

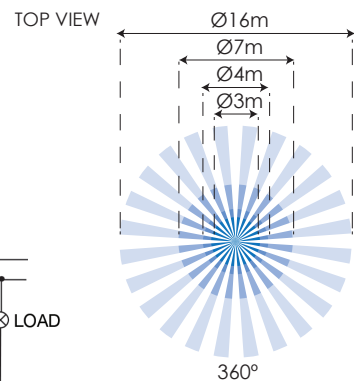
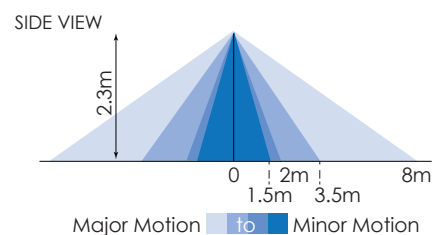
Temperature Compensation Automatic Adjustment*

*On a very cold or hot day, both the MS3602CH and MS3601CH can automatically adjust the “Detecting Sensitivity” to reduce the change of the detecting distance that is caused by the ambient temperature range.

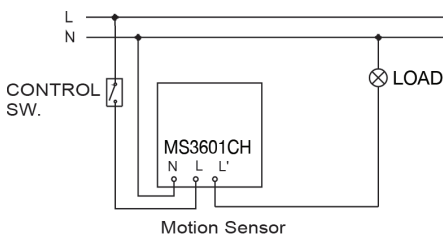
Scale Drawing



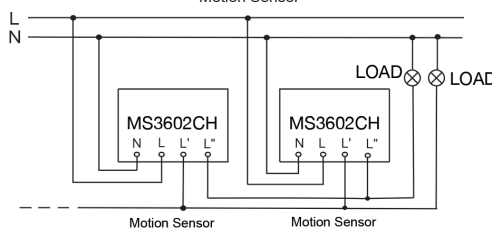
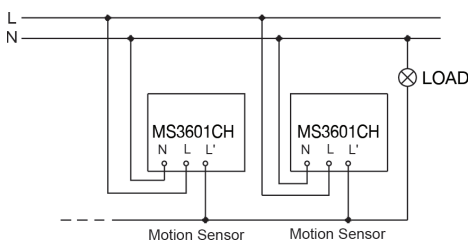
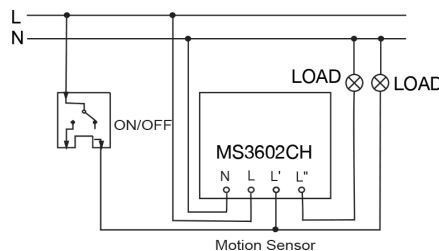
Detection Range



Wiring Diagram MS3601CH



Wiring Diagram MS3602CH



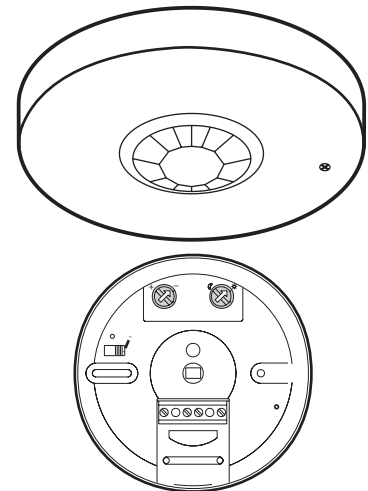
MS460 1 CHANNEL MOTION SENSOR

For indoor use only, this 1 Channel ceiling mounted motion sensor is very quick and easy to install. This sensor works well inside rooms up to 3.6m high offering a detection range of up to 8 metres.

Specifications		MS460
Channel		1
Input Voltage		220-240 V ~50 Hz
Load	Resistive:	5Amp
	Inductive:	2.5Amp
Light Switch-off Delay		6 seconds ~ 12 minutes
Detection Range		8m diam. at a height of 3.6m
Lux		5 Lux ~ ∞
Operating Temperature		0°C ~ +45°C
Detection Angle		360°
Environment Protection		IP40
Operation Mode		Auto
Installation Type		Ceiling Mounted / Surface

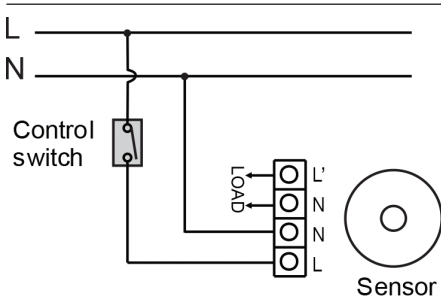


Scale Drawing

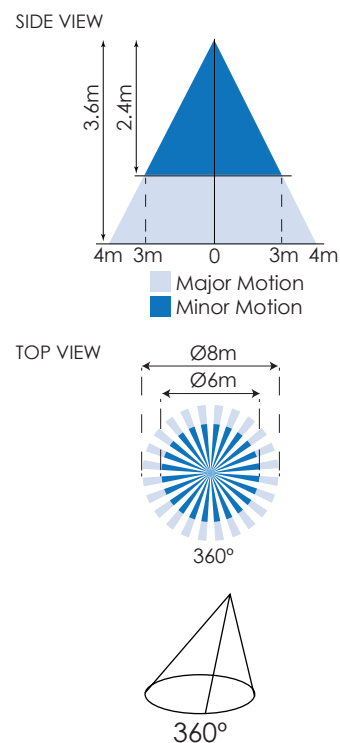


110mm diameter x 32mm high

Wiring Diagram



Detection Range



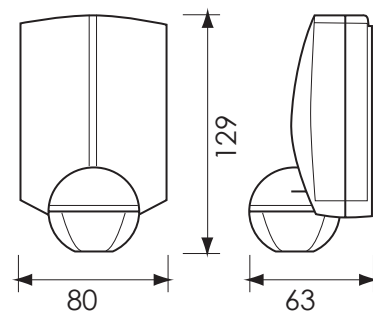
OS-181C ENERGY-SAVING MOTION SENSOR

Infrared motion sensor with fully automatic function for indoor or outdoor use. This motion sensor can be ceiling or wall mounted allowing for a wide range of installations. Ideal for supermarkets, small-scale firms, offices and around the home for light control.

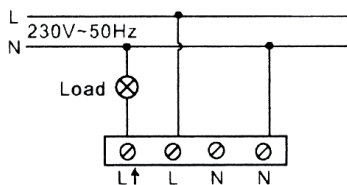
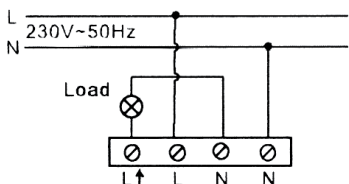
Specifications		OS-181C
Channel		1
Input Voltage		230 V 50 Hz
Load	Resistive:	8Amp
	Inductive:	Max 2Amp
Light Switch-off Delay		6 seconds ~ 10 minutes Test & 1s
Detection Range		10m radius at a height of 2.5m
Lux		Adjustable from 5 Lux ~ ∞
Operating Temperature		-20°C ~ +45°C
Detection Angle		0 ~ 270°
Environment Protection		IP44
Installation Type		Ceiling or Wall Mounted Corner Bracket included



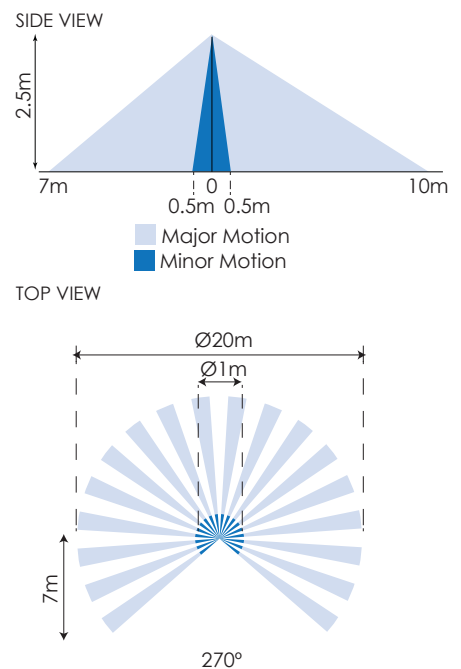
Scale Drawing



Wiring Diagrams



Detection Range



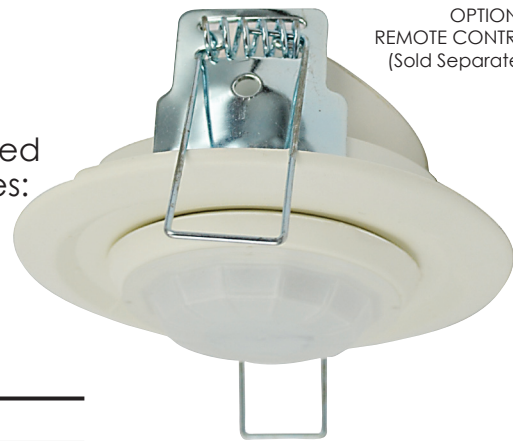
PS465 VERSATILE INDOOR PRESENCE SENSOR

For indoor use only, this 1 Channel ceiling mounted presence sensor offers many user friendly features:

- Optional Remote Control
- Designed for Lighting Automation
- Works with Dimming Controls (1-10V)

Great adaptability for many types of light loads.

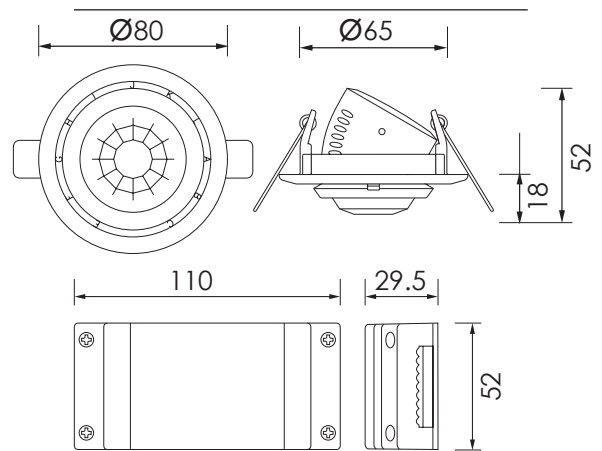
Specifications	PS465
Channel	1
Input Voltage	230 V ~ ±10% 50/60 Hz
Load	Resistive: 8Amp Inductive: Max 3.5Amp
Light Switch-off Delay	10 seconds ~ 30 minutes
Detection Range	6m diam. at a height of 2.5m
Lux	10 ~ 2000 Lux
Operating Temperature	0°C ~ +45°C
Detection Angle	0 ~ 360°
Environment Protection	Class II Detector: IP40 Power Box: IP20
Load on time in Standby mode	5 min, 10min, 15min & ∞
Installation Type	Ceiling Mounted / Recess
Optional Accessories	Part No: Remote Control IR-11D Detector Head Slave PS465S Slave Connection Cable RJ-12(6m)



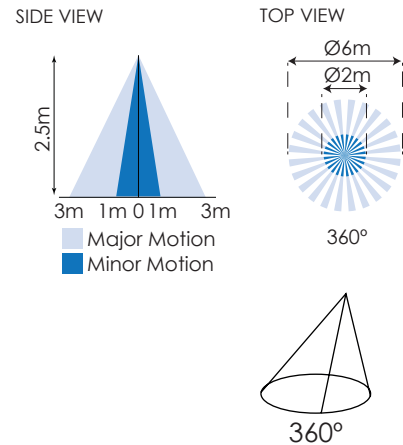
OPTIONAL
REMOTE CONTROL
(Sold Separately)



Scale Drawing

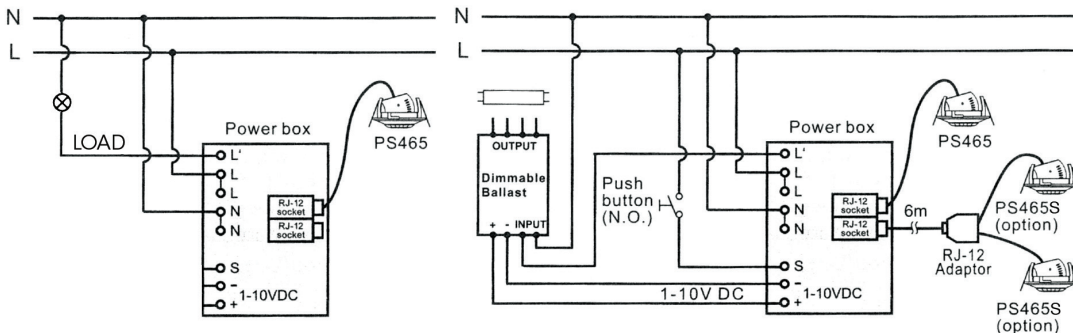


Detection Range



OPTIONAL
PS465S Slave Unit
(Sold Separately)

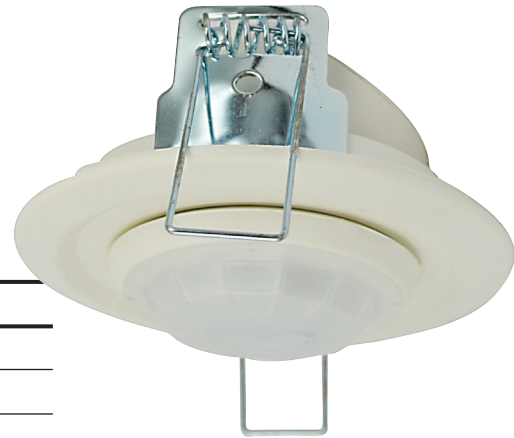
Wiring Diagrams



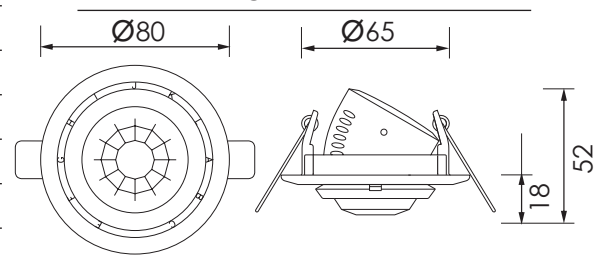
PS465A INDOOR PRESENCE SENSOR

Cost effective solution when all you need is a 1 Channel ceiling mounted presence sensor. For indoor use only.

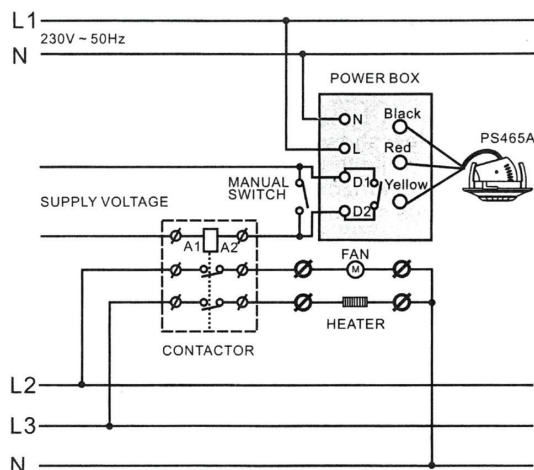
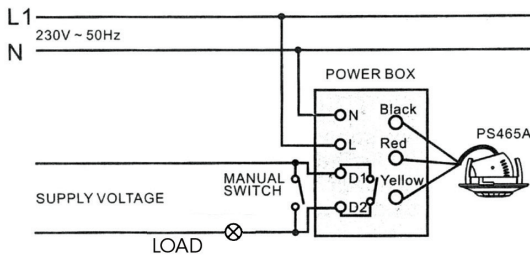
Specifications		PS465A
Channel		1
Input Voltage		230 V ~ 50 Hz
Load	Resistive:	10Amp
	Inductive:	2Amp
Light Switch-off Delay		6 seconds ~ 12 minutes
Detection Range		6m diam. at a height of 2.4m
Lux		5 ~ ∞ Lux
Operating Temperature		-10°C ~ +45°C
Detection Angle		360°
Environment Protection		IP40
Load on time in Standby mode		5 min, 10min, 15min & ∞
Installation Type		Ceiling Mounted / Recess



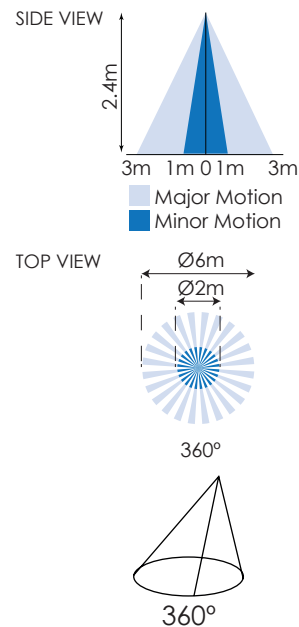
Scale Drawing



Wiring Diagrams



Detection Range



PS4842CH HIGHLY ADAPTABLE PRESENCE SENSOR

Great all rounder. For indoor or outdoor use, this presence sensor is highly adaptable. Able to operate a wide variety of light loads, it also has an extra wide standard detection range.

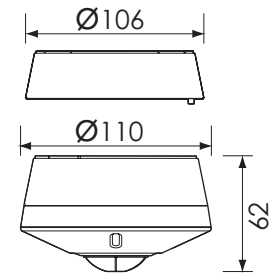


OPTIONAL
REMOTE CONTROL
(Sold Separately)

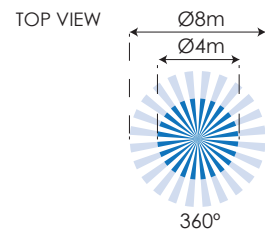
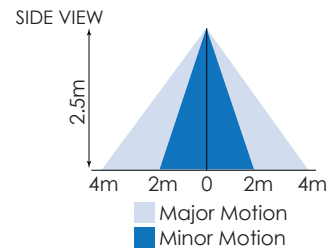


Specifications	PS4842CH
Channel	2
Input Voltage	230 V ~ ±10% 50/60 Hz
Load I (CH1) for Lighting	
Resistive:	8Amp
Inductive:	5Amp
Load II (CH2) for HVAC (Reaction is regardless of Lux value)	
250VAC	Max. 5A Resistive Load
30VDC	Max. 5A Resistive Load
250VAC	Max. 1A Inductive Load
Light Switch-off Delay	10 seconds ~ 30 minutes
Detection Range	8m diam. at a height of 2.5m
Lux	10 ~ 2000 Lux
Operating Temperature	0°C ~ +45°C (indoor) -20°C ~ +45°C (outdoor)
Detection Angle	360°
Environment Protection	Class II IP54
Load on time in Standby mode	5 min, 10min, 15min & ∞
Installation Type	Ceiling Mounted / Surface
Optional Accessory	Part No: Remote Control IR-11D

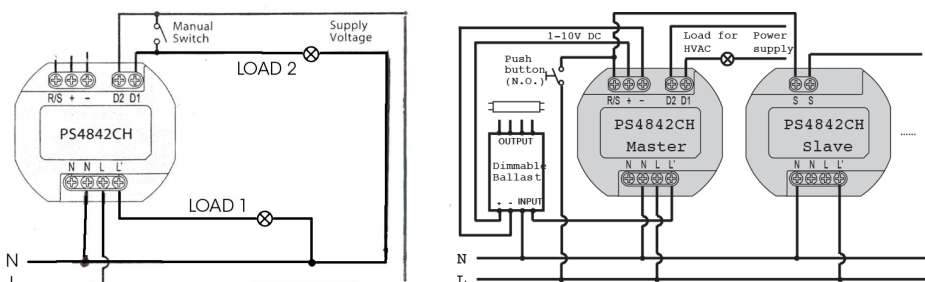
Scale Drawing



Detection Range



Wiring Diagram



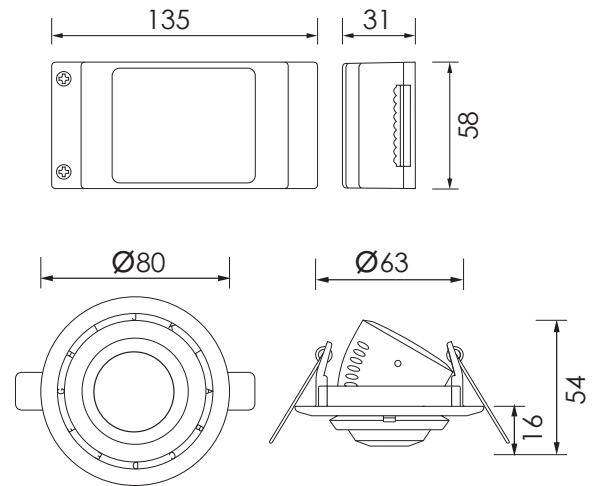
OS-565PI FLUSH MOUNT PRESENCE SENSORS

For indoor use, these presence sensors are discreet and adaptable for Lighting or HVAC loads. Reacts intelligently to the presence or absence of people and thus provides an efficient reduction of energy consumption.

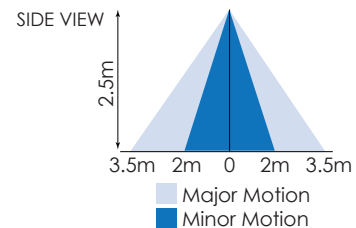
- Fully adjustable detector head
- Master and Slave connection for extending cover



Scale Drawing

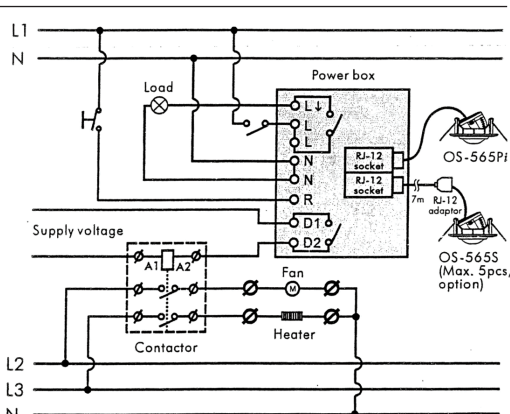


Detection Range



Specifications	OS-565PI
Channel	2
Input Voltage	220-240 V ~50/60 Hz
Load I (L) for Lighting	
Resistive:	8Amp
Inductive:	5Amp
Load II (D1-D2) for HVAC	Voltage Free Contact, Lux is invalid Max. 5A (cosØ = 1) µ Motor: 1/10HP (approx. 73W)
Light Switch-off Delay	
Time 1 for Lighting	Adjustable from 5 seconds ~ 30 minutes, Test & 1s
Time 2 for HVAC	Adjustable from 10 seconds ~ 60 minutes
Detection Range	7m diam. at a height of 2.5m
Lux	Adjustable from 10 Lux ~ ∞
Operating Temperature	0°C ~ +45°C
Detection Angle	0 ~ 360°
Environment Protection	IP44 (Detector) IP20 (Power Box)
Installation Type	Ceiling Mounted / Recess
Optional Accessories	Part No:
Remote Control	IR-11
Detector Head Slave	OS-565S
Slave Connection Cable	RJ-12(6m)

Wiring Diagram



OS-453 MINIATURE DUAL PIR PRESENCE SENSOR

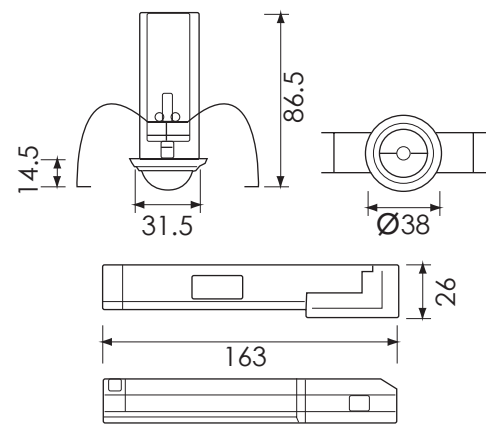
For indoor use. 38mm detection head.
Can be used for Master/Slave (using the same driver).
Slave Detector head is optional.

- Powerful Relay and advance technology
Extra High and Wide Detection Range.

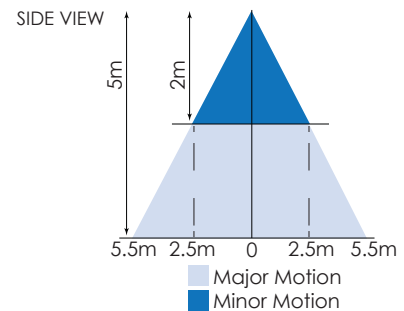
Specifications	OS-453
Channel	2
Input Voltage	230 V ~ ±10% 50/60 Hz
Load I (L) for Lighting	
Resistive:	8Amp
Inductive:	5Amp
Load II (D1-D2) for HVAC	Voltage Free Contacts
250VAC	Max. 5A Resistive Load
30VDC	Max. 5A Resistive Load
250VAC	Max. 1A Inductive Load
Auto Off Time Adjustment	
Time 1 (for lighting)	1 minute ~ 15 minutes
Time 2 (for HVAC)	10 seconds ~ 30 minutes
Detection Range	11m diam. at a height of 5m
Lux	Adjustable from 10 Lux ~ 1000 Lux
Operating Temperature	0°C ~ +45°C
Detection Angle	360°
Environment Protection	IP44 (Detector) IP20 (Power Box)
Installation Type	Ceiling Mounted Recess
Optional Accessories	Part No:
Detector Head Slave	OS-453S
Slave Connection Cable	RJ-12(6m)



Scale Drawing



Detection Range



Detection Range changes with height
from 5m detection range at 2m height
to 11m detection range at 5m height

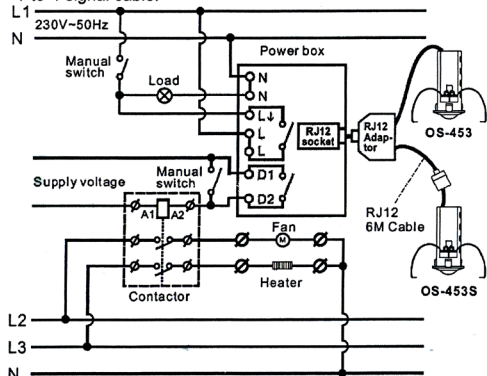


OPTIONAL
OS-453S Slave Unit
(Sold Separately)



Wiring Diagram

OS-453 and OS-453S connect to the same power box by RJ12 with 1-to-1 signal cable.



OS-483PAI HIGHBAY PRESENCE SENSOR

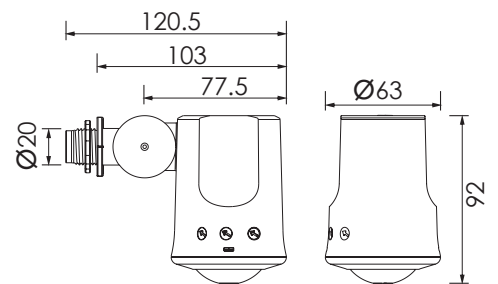
For indoor use only.
Flexible mounting direct onto Highbay or Junction Box.

- Powerful Relay and advance technology
 - 10m Height Mount to Lighting Fixtures
- Extra High and Wide Detection Range.

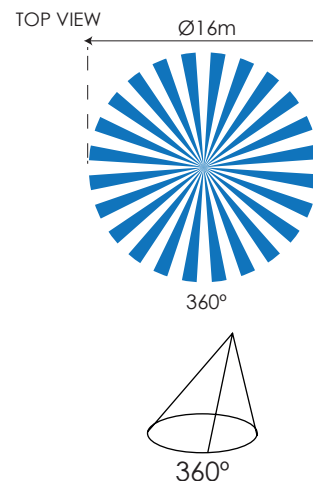
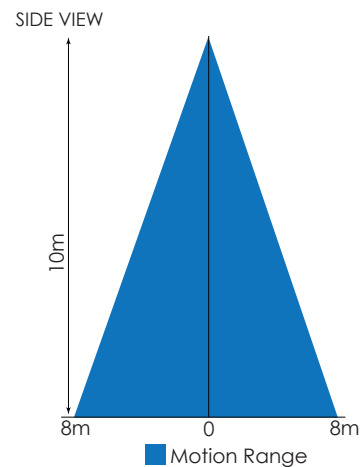
Specifications	OS-483PAI
Channel	1
Input Voltage	230 V ~ ±10% 50/60 Hz
Load	Resistive: 8Amp Inductive: 5Amp
Auto Off Time Adjustment	5 seconds ~ 30 minutes Test & 1s
Detection Range	16m diam. at a height of 10m
Lux	Adjustable from 10 Lux ~ ∞
Operating Temperature	0°C ~ +45°C
Detection Angle	360°
Environment Protection	IP44
Installation Type	Highbay or Junction Box Mounted
Optional Accessory	Part No: Remote Control IR-11



Scale Drawing

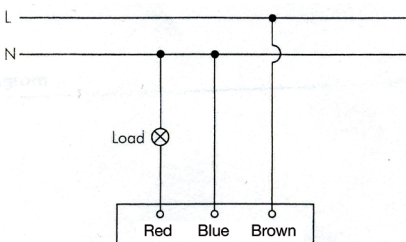


Detection Range



Wiring Diagram

Normal operation



HD-614AFI DUAL-TECHNOLOGY WEATHER PROOF PRESENCE SENSOR



OPTIONAL
REMOTE CONTROL
(Sold Separately)

WALL
MOUNT

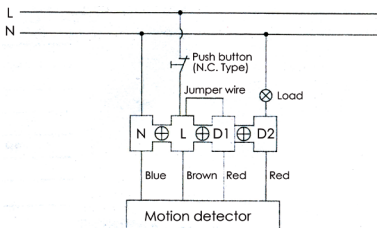
For Lighting, HVAC, and Alarm Control

Dual Technology with two sensors (PIR + HF) ensures precise detection and minimisation of false triggers. This sensor can penetrate through PVC / Plastic / Glass / Wood and Brick up to 300mm. (Cannot penetrate through metal or Re-inforced Concrete). For indoor or outdoor use this presence sensor is highly adaptable with either wall or ceiling mounting.

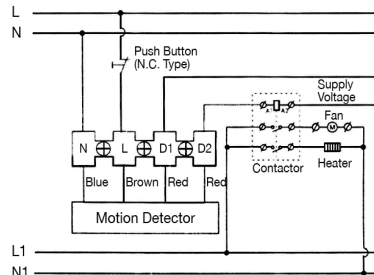
Specifications	HD-614AFI
Channel	1
Input Voltage	220-240 V ~50 /60 Hz
Load I (L) for Lighting	
Resistive:	10Amp
Inductive:	5Amp
Load II (D1-D2) for HVAC	Voltage Free Contacts
250VAC	Max. 10A Resistive Load
30VDC	Max. 5A Resistive Load
250VAC	Max. 3A Inductive Load
Auto Off Time Adjustment	5 secs ~ 30 mins adjustable Test, 1s
Detection Range	16m radius at a height of 2.5m
Lux	Adjustable from 5 Lux ~ ∞
Operating Temperature	-20°C ~ +50°C
Detection Angle	PIR: 240° HF: 180°
Environment Protection	IP55
Operation Mode	PIR only, HF only, PIR/HF, PIR + HF
Installation Type	Ceiling or Wall Mounted
Optional Accessory	Part No:
Remote Control	IR-11HP

Wiring Diagram

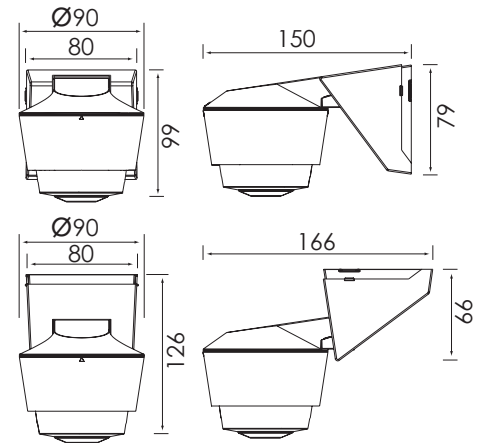
Normal operation for lighting control



For HVAC control

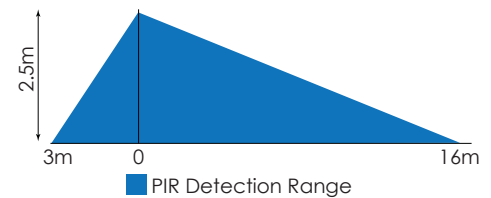
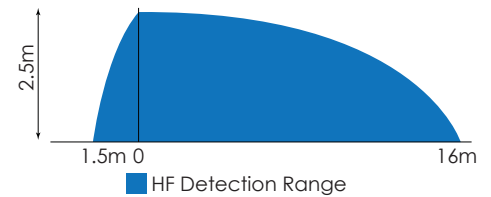


Scale Drawing



Detection Range

SIDE VIEW



TOP VIEW - HF Detection Range



TOP VIEW - PIR Detection Range



UT-962I ULTRASONIC DUAL TECHNOLOGY SENSOR

For indoor use only. This Dual Technology Presence Sensor integrates passive infrared (PIR) and ultrasonic (US) sensor technologies to take advantage of the best features of both types.

The PIR sensor component is more resistant to noise and airflow variations, while the ultrasonic component offers high sensitivity to the smallest of movement. This sensor does not require an unobstructed line-of-sight and offers highly reliable performance with minimum risk of false triggering.

Typical Applications include:

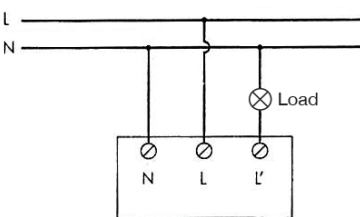
- Corridors • Hotel Lobby's • Classrooms
- Conference Areas • Storage Rooms • Stairwells



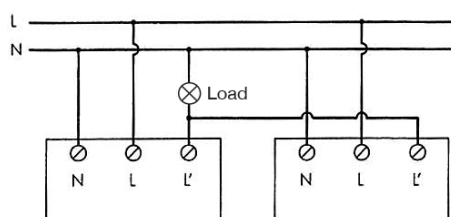
Specifications		UT-962I
Channel		1
Input Voltage		230 V ~ ±10% 50/60 Hz
Load	Resistive: Inductive:	8 Amp 2.5 Amp
Auto Off Time Adjustment		5 seconds ~ 30 minute, Test, 1s
Detection Range	PIR US	~8m forwards ~ 6m sideways ~8m forwards ~ 8m sideways
Lux		Adjustable from 10 Lux ~ 1000 Lux
Ultrasonic Sensor Frequency		32KHz
Operating Temperature		0°C ~ +45°C
Detection Angle		180°
Environment Protection		IP20
Operation Mode		PIR only, US only, PIR or US, PIR + US
ACC ON/OFF		Select ON for activating or select OFF for deactivating air current compression function
Installation Type		Ceiling or Wall Mounted

Wiring Diagram

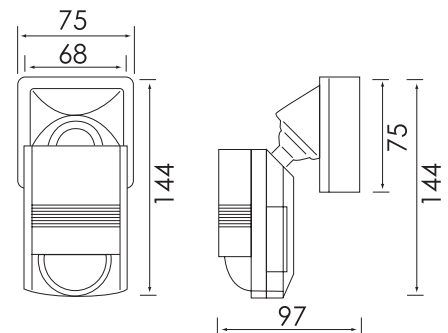
One detector controls one load



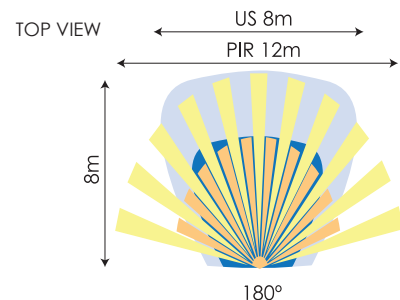
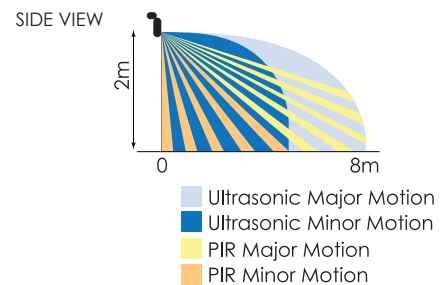
Two detector controls one load



Scale Drawing



Detection Range



HD-617-P HIGH FREQUENCY SENSOR MODULE

For indoor use only. Suitable for fixing on any light fixture i.e. between Fluoro Tubes / Oyster Lights.

High Frequency Signal can penetrate through Wood Board, Brick Wall, Glass etc

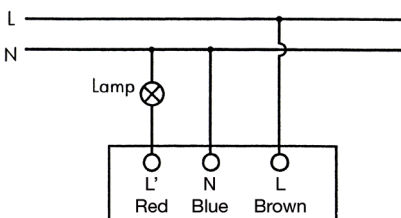
(but not through Water, Metal or Reinforced Concrete)

- Automatic Lighting Control
- Sensitive Adjustment to avoid false triggering
- Time / Lux Adjustable

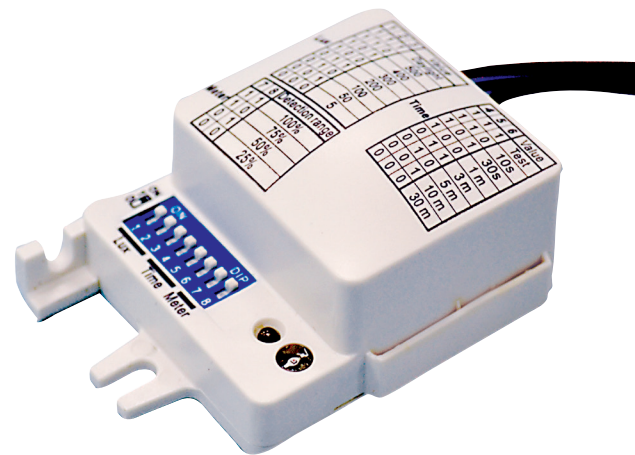
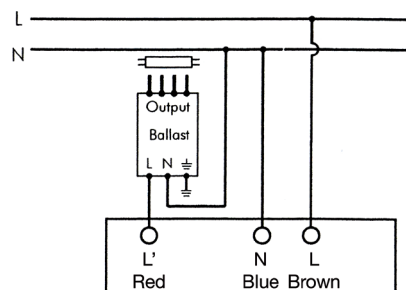
Specifications	HD-617-P
Channel	1
Input Voltage	220-240 V ~ 50/60 Hz
Load	Resistive: Max 1Amp Inductive: Max 1Amp
Auto Off Time Adjustment	10 seconds ~ 30 minutes & Test
Detection Range	10m diam. at a height of 2.5m
Lux	Adjustable from 5 Lux ~ ∞
Operating Temperature	0°C ~ +70°C
Detection Angle	360°
Environment Protection	IP20
Installation Type	Can be mounted to any light fixture
Manual Override	Yes (4 hours ON)

Wiring Diagram

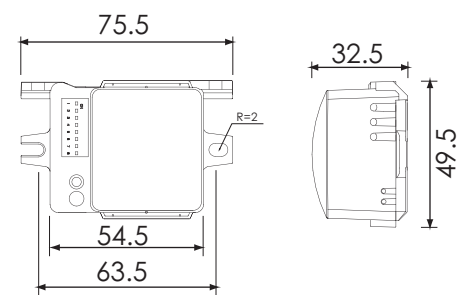
Connect with lamp



Connect with ballast

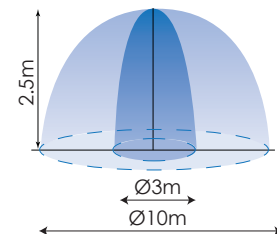


Scale Drawing



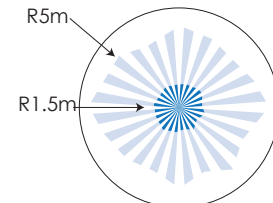
Detection Range

SIDE VIEW



■ Major Motion ■ Minor Motion

TOP VIEW



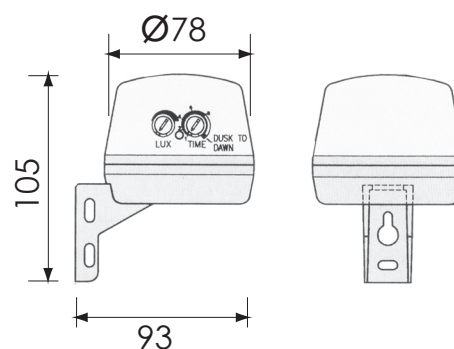
CDS-27 SUNSET SWITCH WITH TIMER

For outdoor use, this sensor is activated by light. Suitable for many situations where a light is required to be switched on when the natural light in an area may be intermittent, or for night time illumination. Ideal for car parks, light wells and access paths.

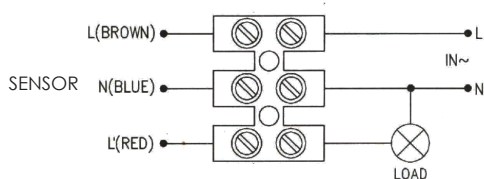
Specifications		CDS-27
Channel		1
Input Voltage		220-240 V ~ 50 Hz
Load	Resistive: Inductive:	10Amp Max 3Amp
Time Adjustment		from 1-8 hours or "Dusk to Dawn"
Lux		Adjustable from 5 ~ 300 Lux
Switch Status Indication		Red LED On/Off
Operating Temperature		-20°C ~ +45°C
Detection Angle		360°
Environment Protection		IP54
Installation Type		Can be mounted to wall or tied to a pole



Scale Drawing



Wiring Diagram

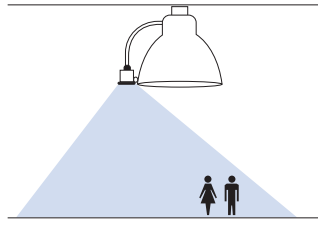


MSHB-759A HIGHBAY MICROWAVE SENSOR

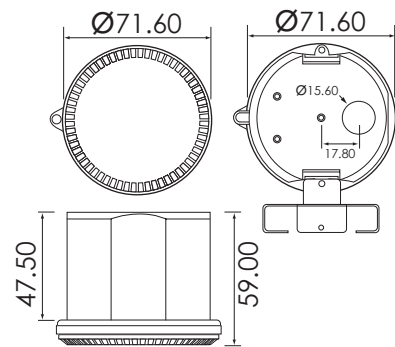
Specifically designed for Highbays, this feature rich sensor uses high-frequency electro-magnetic waves and an integrated circuit to offer lighting flexibility with your current highbays.

It provides automatism, convenience, safety, energy-saving and practicality functions. It works by receiving motion of people. When a person enters the detection field, it can start the load at once and identify automatically day and night. The detection is also possible to go through doors, panes of glass or thin walls.

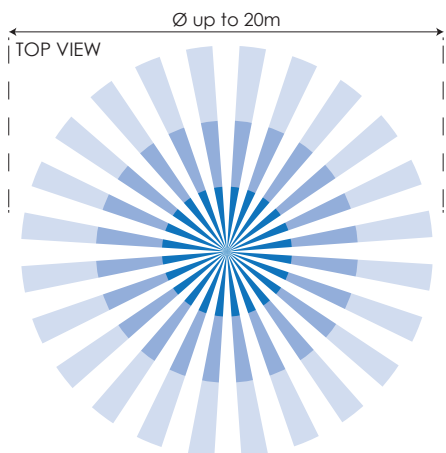
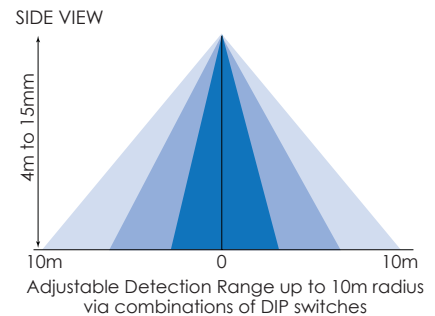
Extra high mounting height of up to 15m.
Extra wide detection range of up to 10m radius.
The detection range can be adjusted to suit user.



Scale Drawing

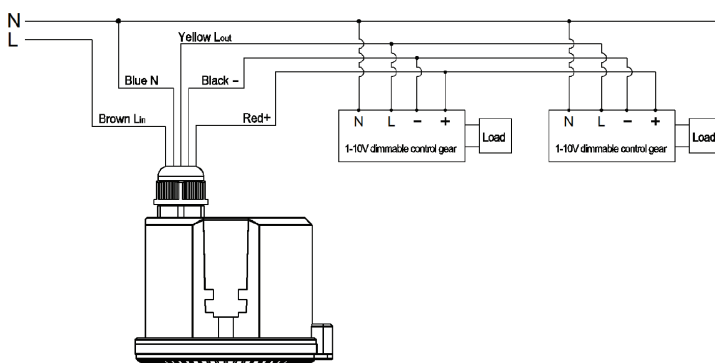


Detection Range













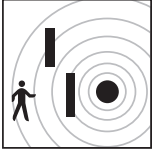

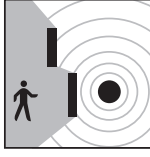


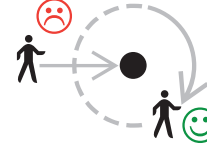
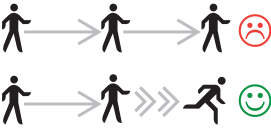

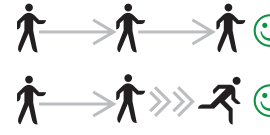





Specifications	MSHB-759A
Channel	1
Input Voltage	120-277 V/AC 50/60 Hz
Load	220-277 V/AC: 1200W 120 V/AC: 800W 220-277 V/AC: 800W 120 V/AC: 400W
Hold Time Adjustment	5 seconds ~ 30 minute
Stand-by Period	10 seconds ~ 60 minute, ∞
Detection Range	Adjustable from 4m to 10m radius
Installation Height	Adjustable from 4m to 15m
Lux	Adjustable from 2 Lux ~ 2000 Lux
Stand-by DIM Level	Adjustable from 10% to 50%
Operating Temperature	-20°C ~ +50°C
Detection Angle	360°
Environment Protection	IP65
Installation Type	Highbay Mounted





Wiring Diagram



Guide for comparing performance factors between High Frequency, Ultrasonic and Passive Infrared (PIR) Sensors

	Sensor Type		
	 <p>High Frequency e.g. HD-617-P</p>	 <p>Ultrasonic e.g. UT-962I</p>	 <p>Passive Infrared (PIR) e.g. PS4842CH</p>
Ability to perform against environmental interference	 <p>High Immunity</p>	 <p>Medium Immunity</p>	 <p>Low Immunity</p>
Sensitivity of Sensor to be triggered	 <p>In a smaller room the sensor can be triggered by a small motion. The detection range is less affected by different mounting heights (below 4m). The sensitivity is lower than an ultrasonic sensor.</p>	 <p>In a smaller room the sensor can be triggered by the slightest motion (i.e. typing). Has higher sensitivity than PIR and microwave sensors.</p>	 <p>Has lower sensitivity than ultrasonic or microwave sensors, but its sensitivity is less affected by the different sizes of rooms.</p>
Ability of sensor to penetrate different materials	 <p>glass about 80-90% brick about 50-60% metal 0%</p>	 <p>nonmetal 0% metal 0%</p> <p>Cannot penetrate any kinds of materials</p>	 <p>nonmetal 0% metal 0%</p> <p>Cannot penetrate any kinds of materials</p>
Affect obstacles have on detection	 <p>Detection is not affected by obstacles. Detection is even possible outside a moving object.</p>	 <p>Detection is possible of a moving object behind an unsealed obstacle.</p>	 <p>Detection is only possible when there's a line-of-sight between sensor and movement.</p>
Affect movement direction has on detection			
Affect moving speed has on detection			
Application Range	 <p>Indoors and under eaves</p>	 <p>Indoors only</p>	 <p>Indoors and outdoors</p>

Guide of factors to consider that may affect performance of High Frequency, Ultrasonic, PIR and Dual Technology Sensors

	Sensor Type			
	 High Frequency e.g. HD-617-P	 Ultrasonic e.g. UT-962I	 Passive Infrared e.g. PS4842CH	 Dual Technology e.g. HD-614AFI
Detection Technology	A High Frequency Sensor sends out high frequency pulses and measures the reflection off a moving object.	An Ultrasonic Sensor sends out sound pulses and measures the reflection off a moving object.	A Passive Infrared (PIR) Sensor reacts to the temperature change (heat energy) caused by a moving object. No energy is emitted from the sensor.	A Dual Technology Sensor includes all the technology of a High Frequency, Ultrasonic and PIR Sensor.
Detection Character	Don't need to be line-of-sight, when walking towards the sensor.	Don't need to be line-of-sight, when walking towards the sensor.	Need to be in line-of-sight, when walking across the sensor.	Combined characters of High Frequency, Ultrasonic and PIR Sensors.
Application Restriction	High Frequency Sensors can be a disadvantage as they can penetrate some kinds of materials, such as glass, wood, brick wall, etc. Therefore the point of installation must be carefully considered in order to avoid interference, as well as false triggering.	Avoid use in areas with high airflow, noise, vibration, etc. Use indoors only.	Avoid use in areas with obstacles, high temperature, high humidity, etc.	Can be used everywhere, especially for an area that requires very reliable detection performance.
Factors that affect Sensor performance	High humidity. Do not mount on the surface of metal materials as the radio wave will be blocked or reflected.	Air Flow. Noise / Vibration. High Obstacles, such as high partitions, high shelves, etc.	Areas with Obstacles. Strong Airflow. High Temperature. High Humidity.	May vary. Refer to the information provided in each kind of sensor.
Appropriate application examples	Open partitioned space: <ul style="list-style-type: none"> • Open plan office • Stalled restroom • Hallway • Stairway • Indoor car park • Outdoor garage • Warehouse • Basements & Attics • Laundry room • Bathroom 	Enclosed partitioned space: <ul style="list-style-type: none"> • Open plan office • Restroom • Enclosed Hallway • Enclosed Stairway 	Space with direct line-of-sight viewing: <ul style="list-style-type: none"> • Private office • Hotel lobby • Hallway • Conference room 	Any space where reliable detection is needed: <ul style="list-style-type: none"> • Classroom • Warehouse • Restroom • Conference room • Outdoor hallway

Sensor Solutions Reference Guide

Model	Technical Options			Key Information			
	One CH Lighting	Two CH Light & HVAC	Slave (optional) (sensing only)	Load* (Max in Amps)	Distance (in Metres)	Lux	Switching Off Delay (seconds to minutes)
MOTION SENSORS							
MS180	✓			5.2Amp	Up to 12M	Adjustable	10s-15m
MS3601CH	✓			14Amp	Up to 16M	Adjustable	6s-12m
MS3602CH		✓		14Amp	Up to 16M	Adjustable	6s-12m
MS460	✓			5Amp	Up to 8M	Adjustable	6s-12m
OS-181C	✓ (wall/ceiling/angle mount)			8Amp	Up to 10M	Adjustable	6s-10m
PRESENCE SENSORS							
PS465	✓ Programming Remote (optional)		✓ S	8Amp	Up to 6M	Adjustable	10s-30m
PS465A	✓			10Amp	Up to 6M	Adjustable	6s-12m
PS4842CH		✓ Programming Remote (optional)		8Amp	Up to 8M	Adjustable	10s-30m
OS-565PI		✓ PI	✓ S	8Amp	Up to 7M	Adjustable	5s-30m
OS-453		✓ Programming Remote (optional)	✓ S	8Amp	Up to 11M	Adjustable	1m-15m
OS-483PAI	✓ Programming Remote (optional)			8Amp	Up to 16M	Adjustable	5s-30m
HD-614AFI	✓ Programming Remote (optional)			10Amp	Up to 16M	Adjustable	5s-30m
ULTRASONIC PRESENCE SENSORS							
UT-962I	✓			8Amp	Up to 8M	Adjustable	5s-30m
HIGH FREQUENCY ACTIVATED SENSORS							
HD-617-P	✓			1Amp	Up to 10M	Adjustable	10s-30m
LUX ACTIVATED SENSORS							
CDS-27	✓ with Manual Override and Timer Control			10Amp	Lux Driven Dusk to Dawn	Sunset to Sunrise	Adjustable Up to 8 hours

* LOAD (Amps) are rated for Resistive Current



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Facsimile:	(03) 8793 9777	(02) 9734 9933	(07) 3283 1170	(08) 8345 0118	(08) 9271 8981

Web/Email: www.omegapower.com.au / sales@omegapower.com.au

