



MOTION SENSOR WITH 3-PIN BASE

► **DESIGN** - INFRARED OR MICROWAVE MOTION SENSOR WITH 3-PIN BASE provides energy-effective lighting control solution that enables the lights light up upon detection of movement and turn itself off if not required. It operates on 12V input power with 0-10V dimming option. The sensor can be installed at the maximum height of 39ft for Infrared and 49ft for microwave.

► **DEFAULT SETTINGS** - You can use default settings to cover most standard applications: Detection Area - 100%, Hold time - 10min, Daylight Threshold - disable, Standby Period - 0s, Standby Dimming Level - 10%.

► **QUICK ADJUSTMENTS** - You can easily adjust Hold time (5s - 10min) and Standby dimming level (0-50%) with rotating switch on sensor housing.

► **ADJUSTMENTS** - Using remote you can adjust: Detection area 25%-100%, Hold time 5s-30min, Daylight threshold 2-400lux, Standby Dimming Level 0-50%, Standby Period 0s - +∞.

► **BATTERY BACK-UP** - The sensor is compatible with ASD Battery Back-up, switches to Back-up mode when the power is off, and is back to the programmed operation mode when AC mode is renewed.

► **APPLICATION** - Sensor with 3 pin base is ideal solution for most indoor and outdoor commercial lighting fixtures such as linear high bay lights, UFO high bay lights, area and canopy lights. IP65 housing ensures operation in Wet Locations.



Finish:



ASD-09MW
White/ Black



ASD-09IR
White/ Black



ASD-09IR50
White

PRODUCT PRESENTATION:

Model	Power	Voltage	Dimming	Finish	Dimensions
ASD-09MW-WH	0.36 W	12 V	0-10 V	White	2-1/8" x 2-1/8" x 1-5/16"
ASD-09MW-BK	0.36 W	12 V	0-10 V	Black	2-1/8" x 2-1/8" x 1-5/16"
ASD-09IR-WH	0.36 W	12 V	0-10 V	White	2-1/8" x 2-1/8" x 1-11/16"
ASD-09IR-BK	0.36 W	12 V	0-10 V	Black	2-1/8" x 2-1/8" x 1-11/16"
ASD-09IR50-WH	0.36 W	12 V	0-10 V	White	2-1/8" x 2-1/8" x 1-11/16"
REMOTE CONTROL					
ASD-06RC	Remote control for motion sensor				5-11/16" x 1-3/4" x 13/16"

PRODUCT SPECIFICATIONS:

Construction & Materials	
Housing	Plastic
Environmental system	
Work environment	Suitable for Wet Locations, IP65
Operating temperature	for MW models: -40°F to 158°F (-40°C to 70°C) for IR models: -4°F to 140°F (-20°C to 60°C)
Regular and voluntary certifications	
for MW, ASD-09IR50-WH models: 5-year limited warranty	
for IR models: 3-year limited warranty	
UL certified E541103	

ORDERING INFORMATION

Model	UPC	Pcs. in middle box	Middle box size	Middle box weight	GTIN 14 in middle box	Pcs. per carton	Carton size	Carton weight	GTIN 14 in carton
ASD-09MW-WH	810128113700	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128113704	120	17.3" x 11.8" x 11"	1.2 lbs	30810128113701
ASD-09MW-BK	810128113717	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128113711	120	17.3" x 11.8" x 11"	1.2 lbs	30810128113718
ASD-09IR-WH	810128113694	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128113698	120	17.3" x 11.8" x 11"	1.2 lbs	30810128113695
ASD-09IR-BK	810128114349	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128114343	120	17.3" x 11.8" x 11"	1.2 lbs	30810128114340
ASD-09IR50-WH	810128116794	10	5.5" x 2.6" x 11.4"	0.9 lbs	10810128116791	120	17.3" x 11.8" x 11"	10.7 lbs	20810128116798
REMOTE CONTROL									
ASD-06RC	810128114370	10	6.3" x 2.9" x 11.4"	0.5 lbs	30810128114371	60	15.8" x 11.8" x 9.3"	24.7 lbs	40810128114378

For most up-to-date spec sheets please refer to asd-lighting.com

ASD LIGHTING CORP

E-mail: orders@asd-lighting.com | Web site: www.asd-lighting.com





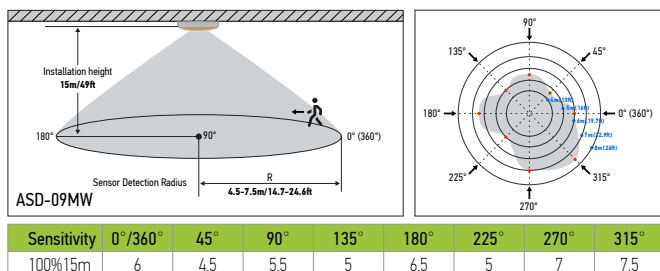
MOTION SENSOR WITH 3-PIN BASE

MOTION SENSOR INFORMATION

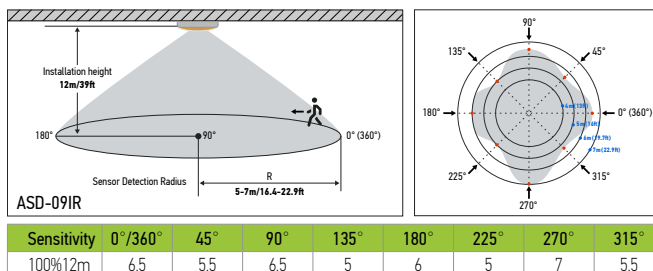
Specifications	Models: ASD-09MW	Models: ASD-09IR	Models: ASD-09IR50	Default setting
Detection area	25 %/50 %/75 %/100 %			100 %
Hold time	Remote control: 5 s/30 s/1 min/3 min/5 min/10 min/20 min/30 min Built-in switch: 5 s/1 min/5 min/10 min			10 min
Daylight threshold	2 lux (0.2 fc)/10 lux (0.9 fc)/30 lux (2.8 fc)/50 lux (4.7 fc)/80 lux (7.4 fc)/120 lux (11.2 fc)/200 lux (18.6 fc)/250 lux (23.2 fc)/300 lux (27.9 fc)/350 lux (32.5 fc)/400 lux (37.2 fc)/disable			Disable
Standby period	0 s/10 s/30 s/1 min/5 min/10 min/30 min/60 min/+ ∞			0 s
Standby dimming level	Remote control: 10 %/20 %/30 %/50 % Built-in switch: 0 %/10 %/30 %/50 %			10 %

Specifications	Models: ASD-09MW	Models: ASD-09IR	Models: ASD-09IR50
Operating voltage	10 - 15 V		
Operating current	< 30 mA	< 15 mA	< 30 mA
Mounting height	max 49.2 ft (15 m)	max 39.4 ft (12 m)	max 49.2 ft (15 m)
Detection radius	14.7 ft - 24.6 ft (4.5 m - 7.5 m)	14.7 ft - 22.9 ft (4.5 m - 7 m)	14.7 ft - 22.9 ft (4.5 m - 7 m)
Operating frequency	5.8 GHz ± 75 MHz	-	-
Transmitting power	< 0.3 mW	-	-

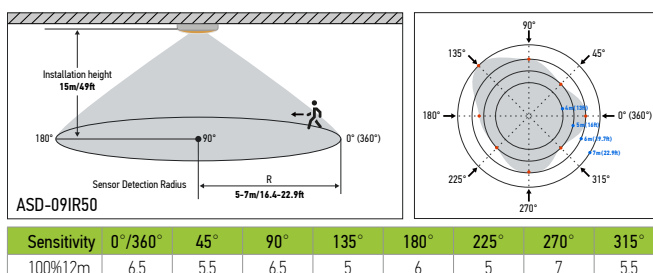
MICROWAVE MOTION SENSOR:



INFRARED MOTION SENSOR:



This diagram shows the area covered by the motion sensor. The circles indicate the distance from the sensor, while different directions show how well motion is detected around it.








SENSOR USAGE RECOMMENDATIONS:

INDOOR RECOMMENDED LOCATIONS
Places where the temperature of the environment is well controlled.
Places where detecting the movement of people is a high priority.






















INDOOR NOT RECOMMENDED LOCATIONS
Places where environment temp close to human body.
Places where PIR sensor lens can get covered.
Places higher than 39ft (unless you use 50ft PIR).

QUICK SETTINGS:

ASD-09MW, ASD-09IR	Holdtime	Stand-by dim level
	1M  5M	10%  30%
	5S  10M	0%  50%

REMOTE CONTROL **ASD-06RC** sold separately



Button	Remarks	Button	Remarks	Button	Remarks
	ON/OFF Turn the sensor ON/OFF.		Auto Enter "sensor mode" and perform previous settings.		Reset Enter "sensor mode" and perform the default settings.
	Scenes Shows current settings saved in remote.		Start Press this to begin scene setup.		Memory Saves the scene settings.
	Apply Applies current scene settings to the fixture.		M H Mounting height Adjust detection area/sensitivity levels according to real installation situations, higher or lower.		Send Memorize and send out the previous setting of individual parameters.
	Detection range Also known as "sensitivity", 100 % means the highest sensitivity and longest distance. Use this button and the + - buttons to adjust.		Daylight sensor The preset lux level at which motion will be detected. Use this button and the + - buttons to adjust.		Stand-by dimming After hold time, the light will dim from 100 % to optional standby dimming levels. Use this button and the + - buttons to adjust.
	Hold time The period that light will stay illuminated 100 % after no motion is detected. Use this button and the + - buttons to adjust.		Up The main functional buttons to adjust the factors to desired level.		Stand-by period The period after holdtime, during which the light keeps standby dimming level. Use this button and the + - buttons to adjust.
	CCT selectable Not applicable to this product.		Down Press + - button to dim light directly auto in non-detection mode.		Power Adjust brightness in both ON/OFF mode & sensor mode, minimum 10%, max 100%, each time this button is pressed it changes by 5%.
	Reserved button Not applicable to this product.		Daylight harvesting Daylight harvesting function enabled or disabled.		Test Press this button to test the sensor; it will temporarily change the hold time to 2s. This setting cannot be saved.

For most up-to-date spec sheets please refer to asd-lighting.com

