

HUGO

Microwave Motion/Daylight Sensor for LED Flood Light

IP65




FLDSEN Microwave Sensor (Motion + Daylight) suitable for FLD Flood Lights

IMPORTANT INFORMATION

- ◆ Needle Connector for fitting onto FLD Floodlights
- ◆ Detection area, hold time and daylight sensor can be set by DIP switch
- ◆ Quick switch ON/OFF 3 times to override sensor function. Lights will switch on all the time

Parameter:

Input	Operation Voltage	198-264V AC, 50Hz/60Hz
	Rated Voltage	220-240V AC, 50Hz/60Hz
	Stand-by Power	Greater/equal to 0.5W
	Surge Test	L—N: 1kV
Output	Working Mode	Photocell function or Motion function
	Type of Load	Inductive or Resistance
	Load Capacity	400W (inductive): 800W (Resistive)
	Wiring Method	Needle Connector
Sensor Parameters	Operation Frequency	5.8 GHz +-75 MHz, ISM Brand
	Transmitting Power	0.5mW Max
	Hold Time	5S/30S/1min/3min/20min/30min
	Detection Sensitivity	100%/75%/50%/25%
	Daylight Sensor	2Lux/10Lux/25Lux/50Lux/100Lux/Disable
	Daylight Open/Close	10lux/50Lux: 25Lux/75Lux: 50Lux/100Lux: 100Lux/200Lux: 150Lux/300Lux: Disable
	Detection Radius	4-6m (mounting Height 3m)
	Mounting Height	6m Max
	Detection Angle	150deg (Wall Mounted, 360deg (Ceiling mounted))
Operation Environment	Operation Temperature	-20-+60deg C
Other	IP	IP65
	Protection Class	Class II

- ◆ **CAUTION:** Luminaires and their auxiliary equipment may pose a risk of fire or damage to property if not installed or maintained correctly.
- ◆ Must be installed to the latest electrical safety regulations, consult a qualified electrician if you have any questions.
- ◆ Class I product
- ◆ Ensure all electrical connections are tight with no loose strands, including factory made connections.
- ◆ All luminaires run hot. It is the installers responsibility to consider fire risk and take appropriate precautions.
- ◆  If mounted on flammable surfaces.
- ◆ Always switch off mains supply before fitting, servicing or moving position of the luminaire.

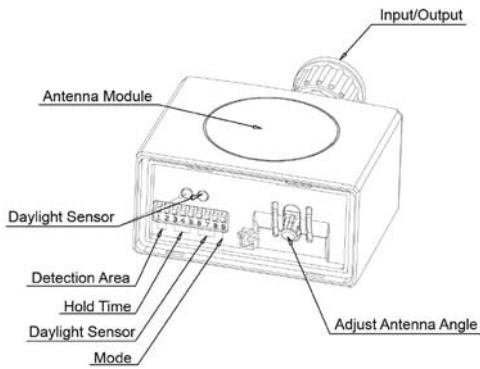
INSTALLATION

- ◆ Ensure mains is turned off before installation
- ◆ Determine appropriate location for fitting. Ensure this is free from existing wires, pipes etc.
- ◆ Connect Sensor to Floodlights through connector
- ◆ It is recommended to consult an electrician before switching on power.

GUARANTEE

- ◆ HUGO provides warranty for 5 year for these fittings, against defects in the material and/or workmanship. This period commences from the date of delivery and is only valid if the fitting is installed in accordance to the instructions provided and to local regulations. If defective material or workmanship is found within the warranty period, it must be returned to the supplier with details and proof of the original delivery and purchase dates. Any additional costs including labour must be submitted in writing and approved by HUGO prior to remedial work being initiated.
- ◆ There are no serviceable parts inside this fitting and any tampering will void the warranty
- ◆ Warranty becomes null and void if components have been tampered, altered or modified in any way. Damage to fittings by fire, water or similar will revoke the warranty.
- ◆ HUGO reserves the right to improve, modify or update the designs without prior notice.

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DIP SWITCH SETTING

Detection Area (Sensitivity)

	1	2	
I	ON	ON	100%
II	-	ON	75%
III	ON	-	50%
IV	-	-	25%

Hold Time

	3	4	5	
I	ON	ON	ON	5s
II	-	ON	ON	30s
III	ON	-	ON	1min
IV	-	-	ON	3min
V	ON	ON	-	20min
VI	-	-	-	30min

Daylight Threshold

Disable: Daylight sensor will not work

	6	7	8	
I	ON	ON	ON	2Lux
II	-	ON	ON	10Lux
III	ON	-	ON	25Lux
IV	-	-	ON	50Lux
V	ON	ON	-	100Lux
VI	-	-	-	Disable*

Photocell

	6	7	8	Open/Close
I	ON	ON	ON	10Lux/50Lux
II	-	ON	ON	25Lux/75Lux
III	ON	-	ON	50Lux/100Lux
IV	-	-	ON	100Lux/200Lux
V	ON	ON	-	150Lux/300Lux
VI	-	-	-	Disable*

Mode Setting

	9	Mode Settings
I	ON	Motion
II	-	Photocell

Override Function

Quick switch ON/OFF 3 times within 2sec to override sensor function. Lights will switch on all the time. Power off and on again to recover sensor function

Factory Setting

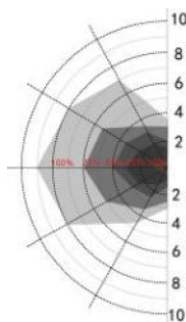
Detection Area: 100%, Hold time: 5S, Daylight sensor: Disable, Mode Setting: Motion

Application Notice

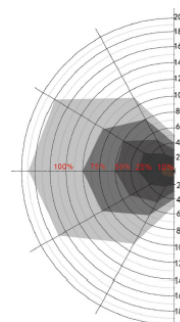
When switching between Photocell and the motion function, Please turn off the power first before changing mode

2) Walling mounting

Horizontal installation: 2m
Sensor range setting: 100%/75%/50%/25%



Normal walking (walking speed: 1m/s)

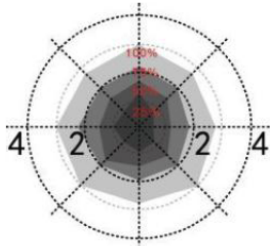


Slow walking (walking speed: 0.3m/s)

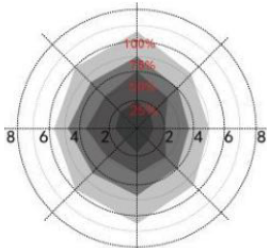
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1) Ceiling mounting

Height: 3m
Sensitivity: 100%/75%/50%/25%

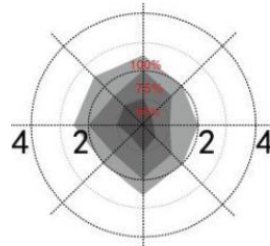


Normal moving (Speed: 1m/s)

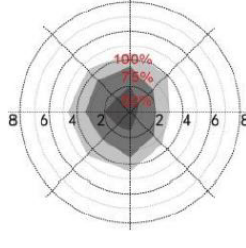


Slow moving (Speed 0.3m/s)

Height: 6m
Sensitivity: 100%/75%/50%



Normal moving (Speed: 1m/s)



Slow moving (Speed 0.3m/s)

1) Motion ON-OFF Function



1 With sufficient ambient light, the light will not be switched on.



2 With insufficient ambient light, the sensor switches on the light when motion is detected.

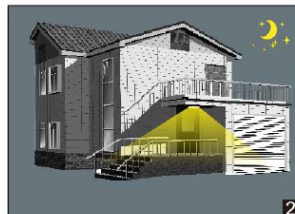


3 After elapse of hold time, the sensor switches off the light when no motion is detected.

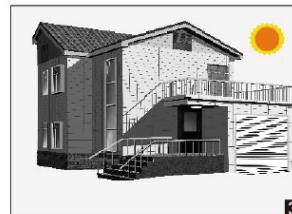
2) Photocell Night/Light Function



1 Automatically switches on the lights at dusk.



2 Stays continuously illuminated throughout the night.



3 Switches off the lights at dawn.