

## Surface & Suspended



IP66 Ingress Protection



IK10 Impact Resistance

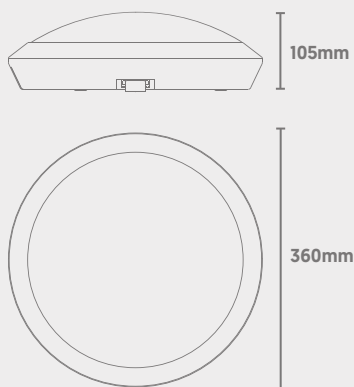


TP(a) Fire Rating



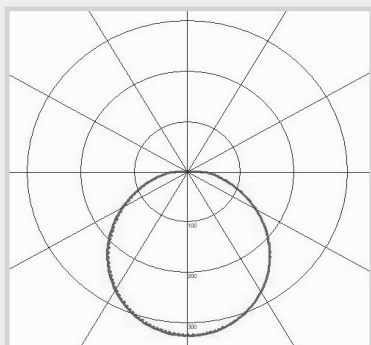
Side Conduit Entry Points Under Tab (New Housing)

### Dimensions



Light Source  
Energy Rating

### Photometric Data



## Vex Gen 2 Commercial Bulkhead

CODE: VEX2-20-360NW/MS

**QVIS**<sup>®</sup>  
LED LIGHTING



Microwave Sensor  
Info on Following Pages



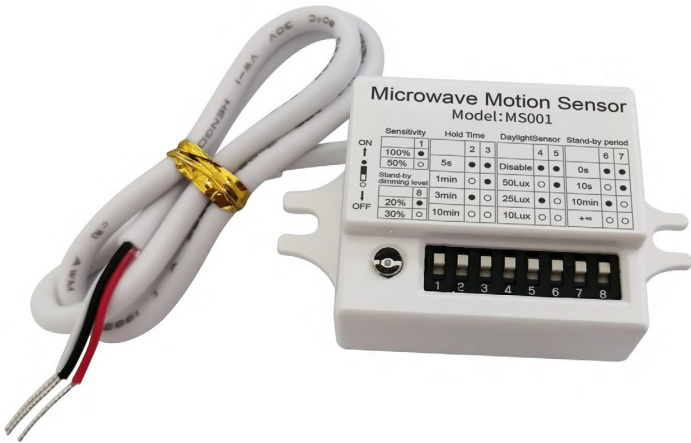
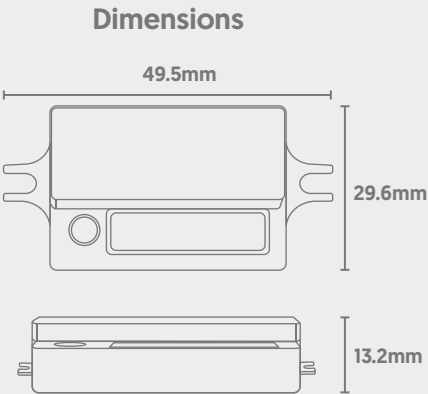
Power	Efficacy	Output	Kelvin
20W	105Lm/cW	2100Lm	4000K

### Technical

Input Voltage	AC 220-240V
Colour Rendering Index	>80
Power Factor	>0.9
Operating Temp.	-20 to +30°C
Materials	Polycarbonate
IP Rating	IP66
IK Rating	IK10
Fire Rating	TP(a)
Dimmable	Microwave Sensor
Dimensions	360mm x 105mm
Weight	0.9kg
MacAdam Step	<3
Lifetime	50,000 hours, L90-B10 (Ta 25 °C)
CE Standards	EN60598-1, EN62493, EN55015, EN61547, EN61000-3-2, EN61000-3-3, EN62722-1, EN62722-2-1 and EN50581
CE Directives	LVD, EMC, ERP & RoHS

Surface & Suspended

Vex Gen 2  
Microwave Sensor



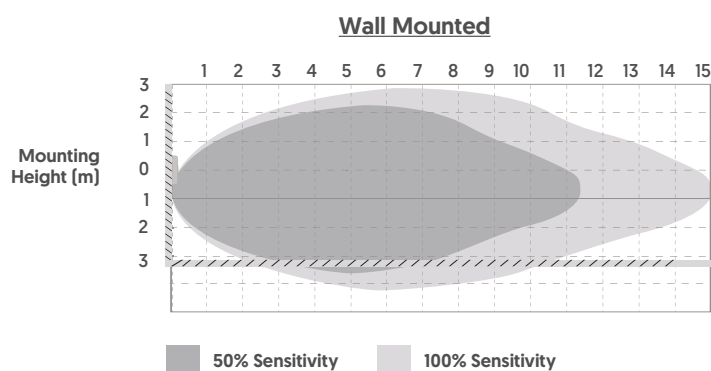
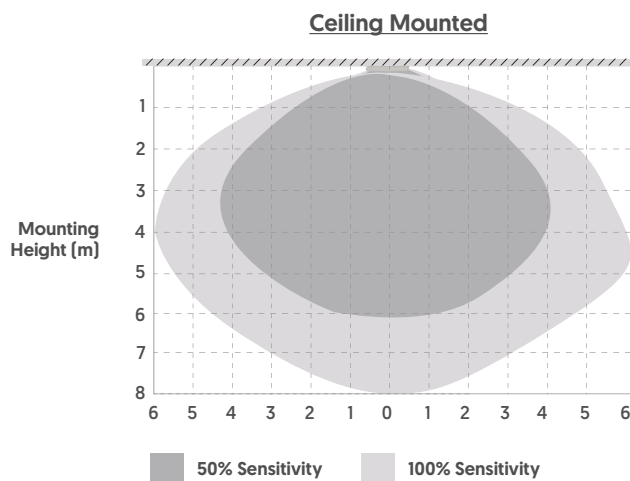
Technical

Input	Operating Voltage Range	11-15VDC
	Operating Current	22mA
Output	Output	10V PWM
Sensor Parameters	Microwave Frequency	5.8GHz±75MHz
	Microwave Power	<0.3mW
	Detection Angle	30° to 150°
	Sensitivity	100% / 50%
	Hold Time	5s / 1min / 3min / 10min
	Daylight Threshold	10Lx / 25Lx / 50Lx / Disabled
	Stand-By Period	0s / 10s / 10min / +∞
	Stand-By Dimming Level	20% / 30%
	Mounting Height	Max.6m [Ceiling Mounted]; 1.5m to 1.8m [Wall Mounted]
	Detection Range	Max. 6m [Ceiling Mounted]; Max .10m [Wall Mounted]
	Operating Temperature	-35°C to +70°C
	Size	[L*W*H] 49.5mm x 29.6mm x3.2 mm

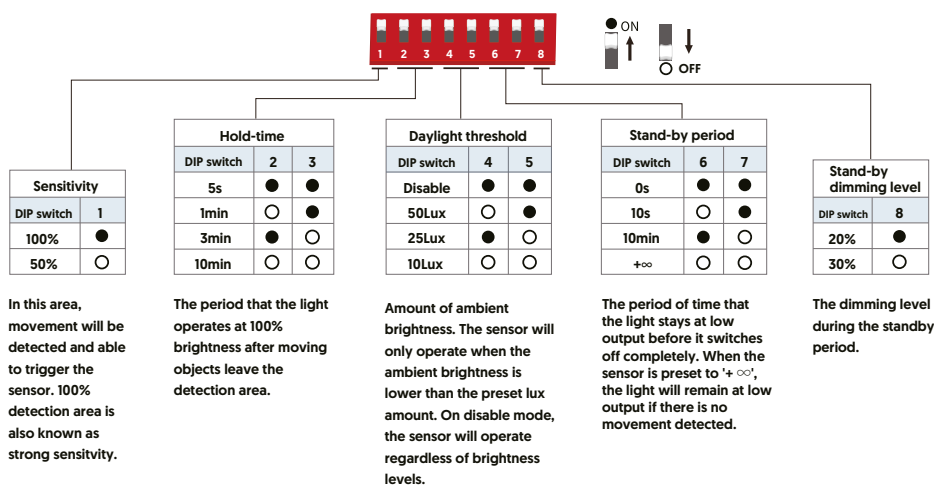
## Vex Gen 2 Microwave Sensor

### Dimensions

### Detection Patterns

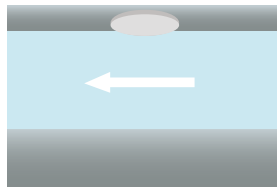


### Dip-Switch Settings

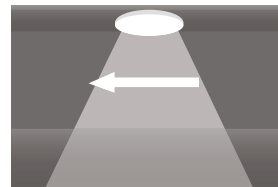


## Vex<sup>Gen 2</sup> Microwave Sensor

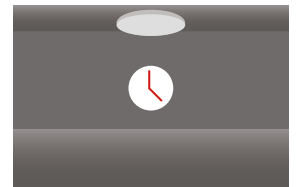
### On/Off Function (Stand-By Period is 0s)



1) If ambient light is at a sufficient level, the light will remain off even if motion is detected.

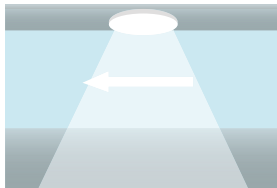


2) If ambient light is not sufficient, the light will switch on when motion is detected by the sensor.

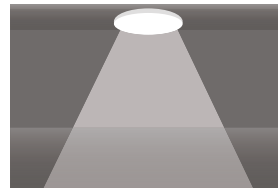


3) After hold-time elapses, the sensor will switch off the light if no motion is detected.

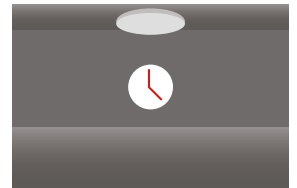
### Daylight Threshold Set To 'Disabled'



1) If motion is detected, the light will switch on.

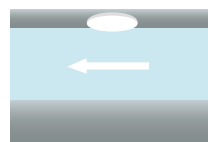


2) The sensor keeps the light on for the set hold time after the object leaves the detection area.

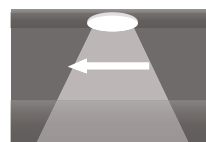


3) After hold-time elapses, the sensor will switch the light back off.

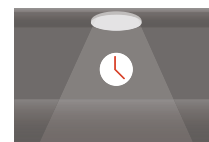
### Corridor Function



1) If ambient light is at a sufficient level, the light will remain off even if motion is detected.



2) If ambient light is not sufficient, the light will switch on when motion is detected by the sensor.



3) After hold-time elapses, the sensor will switch back to the preset low light level if no motion is detected.

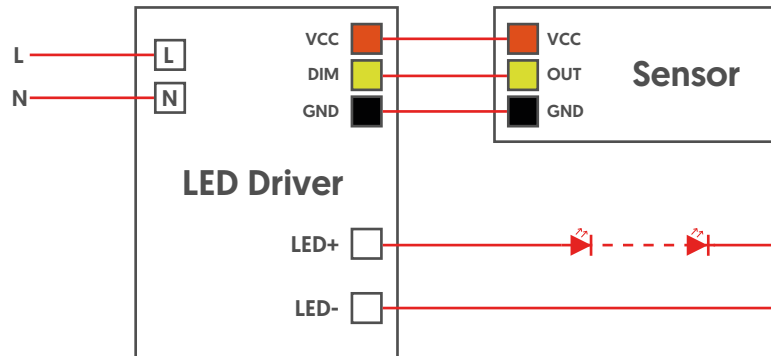


4) After stand-by period elapses, the sensor will switch the light off if no motion is detected.

# Vex<sup>Gen 2</sup>

## Microwave Sensor

### Wiring Diagram\*



### Important Notes

- 1) Wiring must be strictly in accordance with the wiring diagram to avoid short circuit.
- 2) Microwaves cannot penetrate metal. Do not place the sensor within an enclosed metal fitting or half-closed metal fitting. Metal or glass (thicker than 20mm) should not cover the sensor, as this will affect performance.
- 3) The sensor should be kept as far away from the driver as possible to avoid interference and unexpected light flashing.
- 4) Vibration signals may be picked up as moving signals, therefore triggering the sensor. Avoid placing the sensor near objects that vibrate regularly, such as metal equipment, pipes, air conditioning outlets, exhaust vents, smoke exhaust machine ports, shaking fans etc.
- 5) The sensor should be kept safe from hazards such as rain or wind (light fitting should have a high IP and IK rating if placed outside).