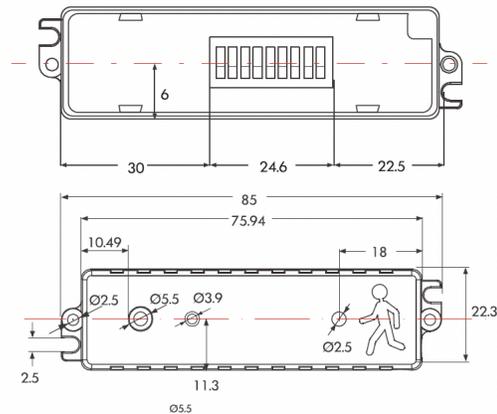# Microwave Motion Sensor

Suitable for select VT4 fixtures
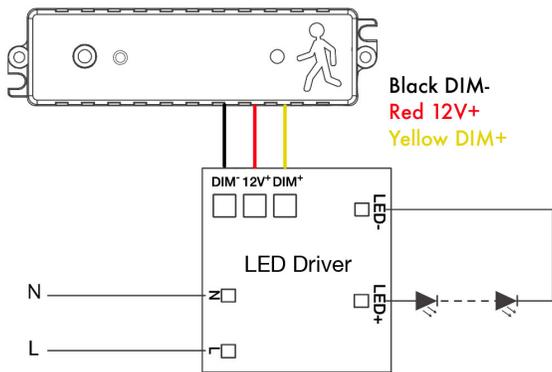
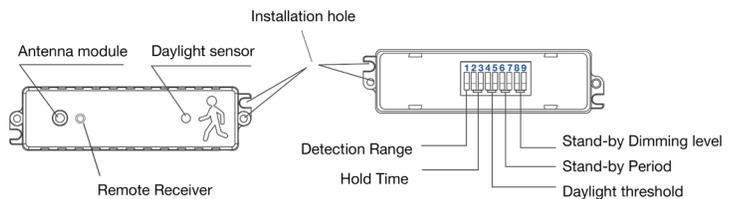| On / Off Control | Motion Detection | Hold Time | Daylight Sensor | Stand-by Period | Stand-by Dimming Level |

DIMENSIONS (MM)

WITHOUT GND/12V-

Black DIM-
Red 12V+
Yellow DIM+

WITH GND/12V-

Black DIM- and GND/12V-
Red 12V+
Yellow DIM+

WIRING DIAGRAM

	Sensor	Luminaire
12V	Red	12V+/AUX wire of the driver*
Dim+	Yellow	Purple*
DIM-/GND	Black	Pink* + GND/12V- of the driver*
		If there is a GND/12V- present, connect the GND/DIM- wire of the sensor to both the DIM- and GND/12V of the driver.
		If there is no GND/12V- present, connect the GND/DIM- of the sensor directly to the DIM- terminal of the driver.
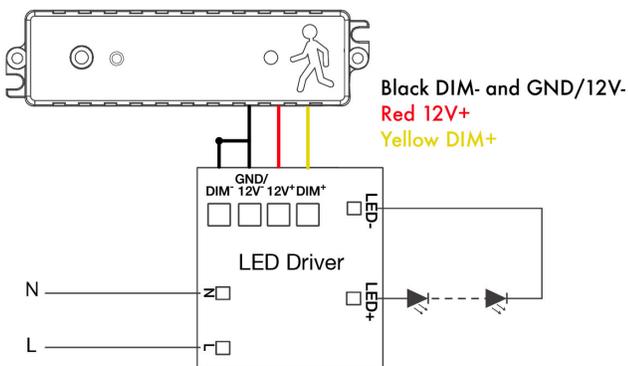
*Please check your respective luminaire drivers to determine the colours of the wires

MECHANICAL UNIT

Antenna module
Daylight sensor
Installation hole
Detection Range
Remote Receiver
Hold Time
Stand-by Dimming level
Stand-by Period
Daylight threshold

FACTORY DEFAULT SETTINGS:

DETECTION AREA	HOLD TIME	DAYLIGHT THRESHOLD	STAND-BY PERIOD	STAND-BY DIM LEVEL
100%	1 min	Disabled	Infinite	20%

TECHNICAL DATA

TECHNICAL DATA

Operating Voltage	10.5-15V
Output	0-10V
Stand-by Power	≤ 0.5W
Detection Area	DIP Switch: 50% 100% Remote: 25% 50% 75% 100%
Stand-by Dimming	DIP Switch: 10% 20% 30% 50% 100% Remote: 10% 20% 30% 50% 100%
Microwave Frequency	5.8GHz ± 75MHz
Microwave Power	<0.3mW
Mounting Height	4 metres max (Ceiling Mounted)
Detection Range	10m x 4m diameter
Operating Temp	-20°C to 60°C
IP Rating	IP20

DETECTION COVERAGE

Ceiling Mounted

Mounting height

■ Well covered   ■ Covered
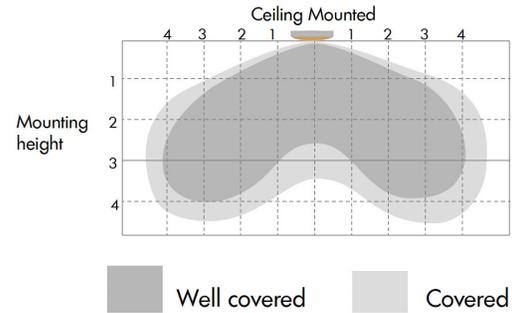
NOTE: Optional Motion Sensor Remote (MS01-RC) sold separately
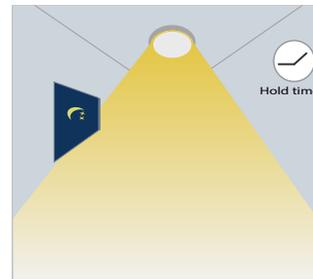
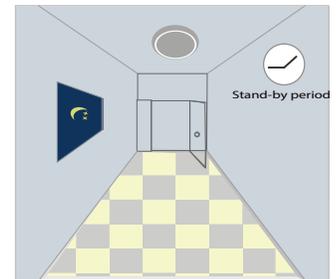## APPLICATION - DAYLIGHT THRESHOLD
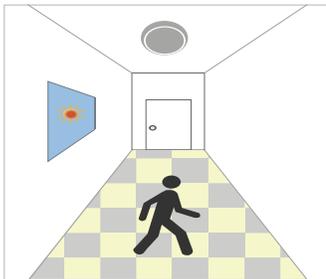
With sufficient ambient brightness, the light remains OFF when motion is detected.

With insufficient ambient brightness, the light turns ON when motion is detected.

Light dims to stand-by level (10%, 20%, 30% or 50%) if no motion is detected after holdtime.

After the stand-by period, light turns OFF.

SENSOR SETTINGS

● Switch UP
○ Switch DOWN

DETECTION AREA		
●	100%	
○	50%	

HOLD TIME		
●	●	10s
●	○	1min
○	●	5min
○	○	10min

DAYLIGHT THRESHOLD		
●	●	Disable
●	○	50lux
○	●	30lux
○	○	10lux

STAND-BY PERIOD		
●	●	1min
●	○	30min
○	●	60min
○	○	+∞

STAND-BY DIMMING LEVEL		
●	●	10%
●	○	20%
○	●	30%
○	○	50%

Detection Area
Movement will be detected and trigger the sensor depending on the set sensitivity.

Hold Time
The period of time the fixture stays on after motion is no longer detected.

Daylight Threshold
When the ambient brightness is lower than the set lux, the fixture will turn on. When set to DISABLE, the fixture will always work, regardless of ambient light.

Stand-by Period
The length of time before the fixtures turn off completely. When it's set to "∞", the light will always stay dimmed.

Stand-by Dimming
Set the level of light output in the stand-by period.

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