

# Merrytek

Microwavve sensor user manual – MC 090S E

N.B. Switch off mains before changing settings!

## Settings

Detection area, hold time and daylight sensor can be set by using DIP switches on the sensor. Note that reducing the detection area will also reduce the sensitivity.

### Detection area

- I: up to 100%
- II: up to 75%
- III: up to 50%
- IV: up to 25%

### Detection area

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

**Sensitivity:** Set to 50% from factory.

### Hold time

- I: 5 sec
- II: 30 sec
- III: 1 min
- IV: 3 min
- V: 5 min
- VI: 10 min
- VII: 20 min
- VIII: 30 min

### Hold time

		3	4	5	
ON ↑ □	I	ON	ON	ON	5s
	II	ON	ON	-	30s
	III	ON	-	ON	1min
	IV	ON	-	-	3min
	V	-	ON	ON	5min
	VI	-	ON	-	10min
	VII	-	-	ON	20min
	VIII	-	-	-	30min

**Delay time:** Set to 5 min from factory.

### Daylight sensor

- I: 2 lux
- II: 10 lux
- III: 25 lux
- V: Disable\*

### Daylight sensor

		6	7	8	
ON ↑ □	I	ON	ON	ON	2Lux
	II	ON	ON	-	10Lux
	III	-	ON	-	25Lux
	IV	ON	-	-	50Lux
	V	-	-	-	Disable

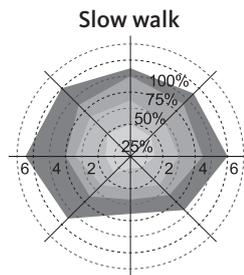
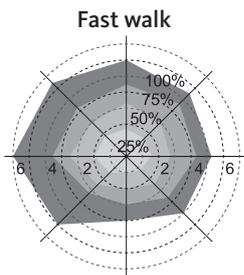
**Daylight sensor:** Disabled from factory.

\*Disable means the daylight sensor does not work. The sensor will turn on light once motion is detected regardless of ambient light level.

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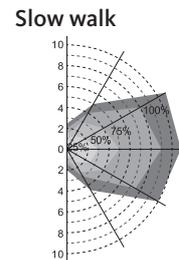
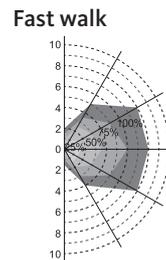
Detection range for different sensitivities

## Ceiling mounting

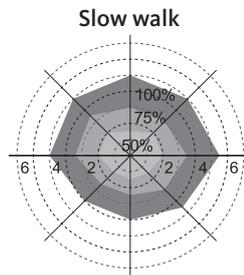
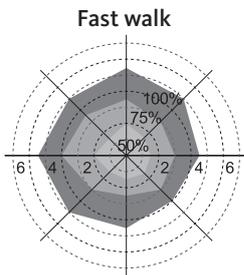


Mounting height: 3m

## Wall mounting



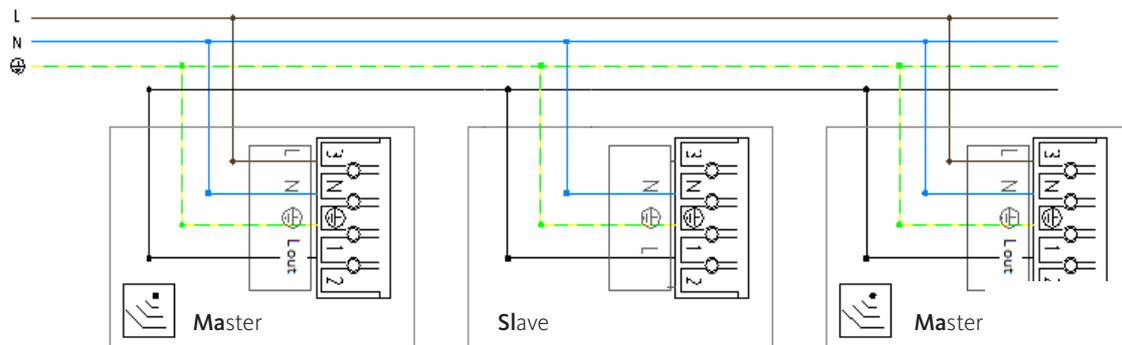
Mounting height: 2m



Mounting height: 6m

50%, 75%, 100% detection sensitivity is workable when installed at 6m mounting height. Only 25% sensitivity is not able to detect motion signal.

## Installation on/off



1: L-out for powering on/off luminaires. Max 400 W total power.