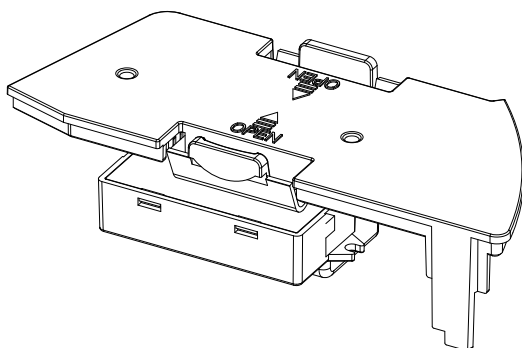


OPERATING INSTRUCTION

GRAVITALED



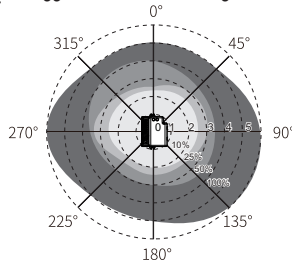
Mavo-HF



DESCRIPTION OF MICROWAVE SENSOR

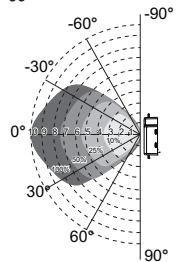
- Detection zone Max. (D) : 14m (@3m height)
- Detection sensitivity: 10%- 100%, adjustable
- Hold time: 5sec-30min, adjustable
- Daylight 1: 5-15Lux, adjustable or disable
- Daylight 2: 50-150Lux, adjustable or disable
- Stand-by Period : 0sec-+∞, adjustable
(Refer to "Low light")
- Mounting height: 3m(6m Max.)
- Motion detection: 0.3~3m/s
- Detection angle: 150°(wall installation),
360°(ceiling installation)

Ceiling mounting pattern (Unit: m)
Suggested installation height: 3m



(Walking speed: 0.5m/s)

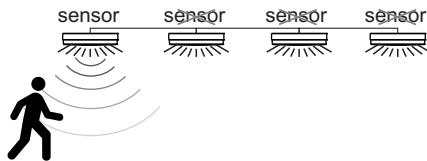
Wall mounting pattern (Unit: m)
Suggested installation height: 2m



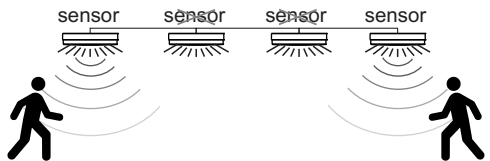
(Walking speed: 0.5m/s)

MASTER/SLAVE FUNCTION

Function A



Function B



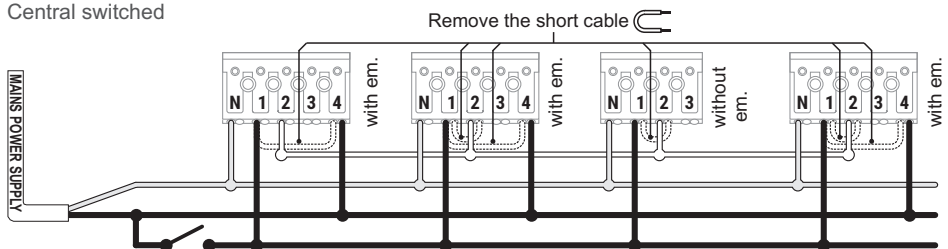
FUNCTION A
Central switched

WITH SENSOR

WITHOUT SENSOR

WITHOUT SENSOR

WITHOUT SENSOR



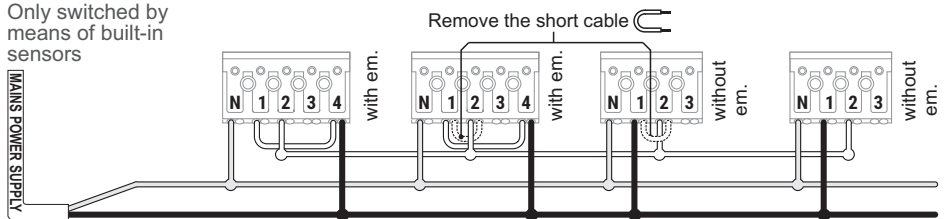
FUNCTION B
Only switched by means of built-in sensors

WITH SENSOR

WITHOUT SENSOR

WITHOUT SENSOR

WITH SENSOR



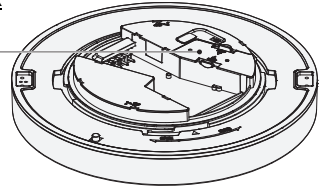
The number of slaves is limited.(Max.30pcs)

L

N

Output of sensor

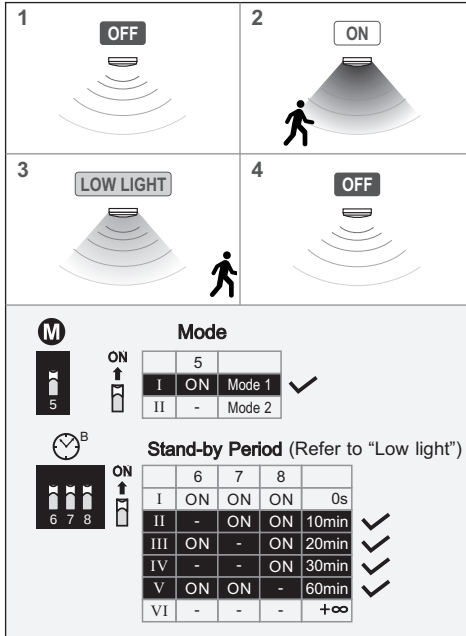
PARAMETER SETTING OF MICROWAVE SENSOR



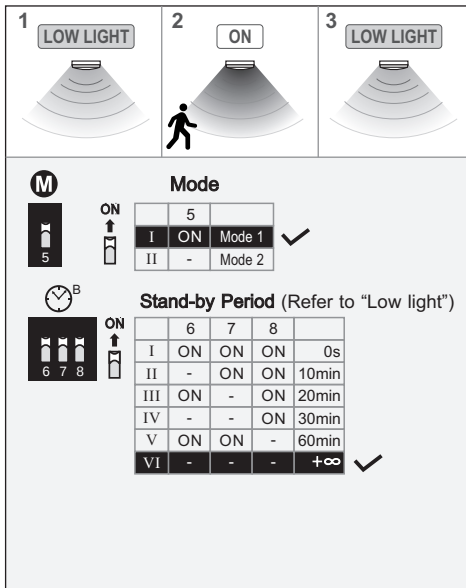
SYMBOL	FEATURE	DESCRIPTION	OPTIONAL SETTINGS	APPEARANCE	DIPSWITCH-SETTINGS																																			
	Detection area	The detection range that the motion sensor can detect.	100% 50% 25% 10%		<table><tr><th></th><th>1</th><th>2</th><th></th></tr><tr><td>I</td><td>ON</td><td>ON</td><td>100%</td></tr><tr><td>II</td><td>-</td><td>ON</td><td>50%</td></tr><tr><td>III</td><td>ON</td><td>-</td><td>25%</td></tr><tr><td>IV</td><td>-</td><td>-</td><td>10%</td></tr></table>		1	2		I	ON	ON	100%	II	-	ON	50%	III	ON	-	25%	IV	-	-	10%															
	1	2																																						
I	ON	ON	100%																																					
II	-	ON	50%																																					
III	ON	-	25%																																					
IV	-	-	10%																																					
	Hold time	The time period that the light stays on at 100% brightness when motion is detected.	5s 30s 1min 5min 15min 30min		<table><tr><th></th><th>3</th><th>4</th><th>5</th><th></th></tr><tr><td>I</td><td>ON</td><td>ON</td><td>ON</td><td>5s</td></tr><tr><td>II</td><td>-</td><td>ON</td><td>ON</td><td>30s</td></tr><tr><td>III</td><td>ON</td><td>-</td><td>ON</td><td>1min</td></tr><tr><td>IV</td><td>-</td><td>-</td><td>ON</td><td>5min</td></tr><tr><td>V</td><td>ON</td><td>ON</td><td>-</td><td>15min</td></tr><tr><td>VI</td><td>-</td><td>-</td><td>-</td><td>30min</td></tr></table>		3	4	5		I	ON	ON	ON	5s	II	-	ON	ON	30s	III	ON	-	ON	1min	IV	-	-	ON	5min	V	ON	ON	-	15min	VI	-	-	-	30min
	3	4	5																																					
I	ON	ON	ON	5s																																				
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IV	-	-	ON	5min																																				
V	ON	ON	-	15min																																				
VI	-	-	-	30min																																				
	Standby-period	The time period that the light stays on at standby dim level before switching off. Note: This setting applies only when Mode 1 is selected.	0s 10min 20min 30min 60min +∞		<table><tr><th></th><th>6</th><th>7</th><th>8</th><th></th></tr><tr><td>I</td><td>ON</td><td>ON</td><td>ON</td><td>0s</td></tr><tr><td>II</td><td>-</td><td>ON</td><td>ON</td><td>10min</td></tr><tr><td>III</td><td>ON</td><td>-</td><td>ON</td><td>20min</td></tr><tr><td>IV</td><td>-</td><td>-</td><td>ON</td><td>30min</td></tr><tr><td>V</td><td>ON</td><td>ON</td><td>-</td><td>60min</td></tr><tr><td>VI</td><td>-</td><td>-</td><td>-</td><td>+∞</td></tr></table>		6	7	8		I	ON	ON	ON	0s	II	-	ON	ON	10min	III	ON	-	ON	20min	IV	-	-	ON	30min	V	ON	ON	-	60min	VI	-	-	-	+∞
	6	7	8																																					
I	ON	ON	ON	0s																																				
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IV	-	-	ON	30min																																				
V	ON	ON	-	60min																																				
VI	-	-	-	+∞																																				
	Daylight1	In Mode 1: When the daylight level falls below the set value, the light responds to motion. When the daylight level rises above the set value, the light remains switched off. In Mode 2: When the daylight level falls below the set value, the light switches on at standby level and switches to 100% based on motion.	Disable 15Lux 10Lux 5Lux		<table><tr><th></th><th>1</th><th>2</th><th></th></tr><tr><td>I</td><td>ON</td><td>ON</td><td>Disable</td></tr><tr><td>II</td><td>-</td><td>ON</td><td>15Lux</td></tr><tr><td>III</td><td>ON</td><td>-</td><td>10Lux</td></tr><tr><td>IV</td><td>-</td><td>-</td><td>5Lux</td></tr></table>		1	2		I	ON	ON	Disable	II	-	ON	15Lux	III	ON	-	10Lux	IV	-	-	5Lux															
	1	2																																						
I	ON	ON	Disable																																					
II	-	ON	15Lux																																					
III	ON	-	10Lux																																					
IV	-	-	5Lux																																					
	Daylight2	If the daylight level drops below the selected LUX value under "Daylight 1", the light automatically turns on to the standby level. If the daylight level rises above the selected LUX value under "Daylight 2", the light switches off. Note: This setting only applies when Mode 2 is selected and "Daylight 1" is NOT disabled.	Disable 150Lux 100Lux 50Lux		<table><tr><th></th><th>3</th><th>4</th><th></th></tr><tr><td>I</td><td>ON</td><td>ON</td><td>Disable</td></tr><tr><td>II</td><td>-</td><td>ON</td><td>150Lux</td></tr><tr><td>III</td><td>ON</td><td>-</td><td>100Lux</td></tr><tr><td>IV</td><td>-</td><td>-</td><td>50Lux</td></tr></table>		3	4		I	ON	ON	Disable	II	-	ON	150Lux	III	ON	-	100Lux	IV	-	-	50Lux															
	3	4																																						
I	ON	ON	Disable																																					
II	-	ON	150Lux																																					
III	ON	-	100Lux																																					
IV	-	-	50Lux																																					
	Mode	Mode 1: Daylight Threshold Mode – The light remains off when motion is detected if the daylight level is above the LUX value set under "Daylight 1". And the light responds to the motion when the daylight level falls below this selected LUX value. Mode 2: Daylight Priority Mode - The light remains off when motion is detected if the daylight level is above the LUX value set under "Daylight 1". And when the daylight level drops below the selected LUX value under "Daylight 2", the light automatically turns on to the standby level and switches to 100% based on motion.	Mode 1 Mode 2		<table><tr><th></th><th>5</th><th></th></tr><tr><td>I</td><td>ON</td><td>Mode 1</td></tr><tr><td>II</td><td>-</td><td>Mode 2</td></tr></table>		5		I	ON	Mode 1	II	-	Mode 2																										
	5																																							
I	ON	Mode 1																																						
II	-	Mode 2																																						

DESCRIPTION OF SENSOR FUNCTIONS

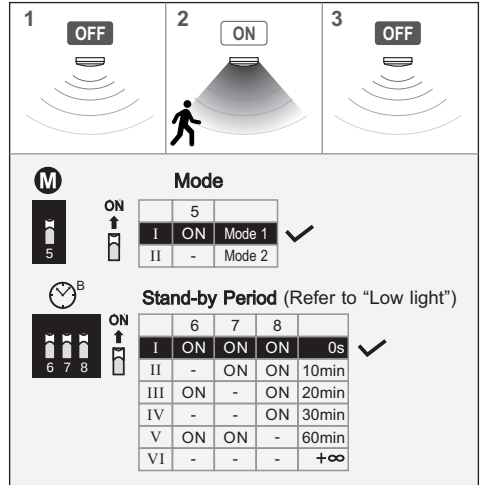
A Normal light-control function
Sensor with **On/Low light(10%)**/Off,
three-step dimmable.



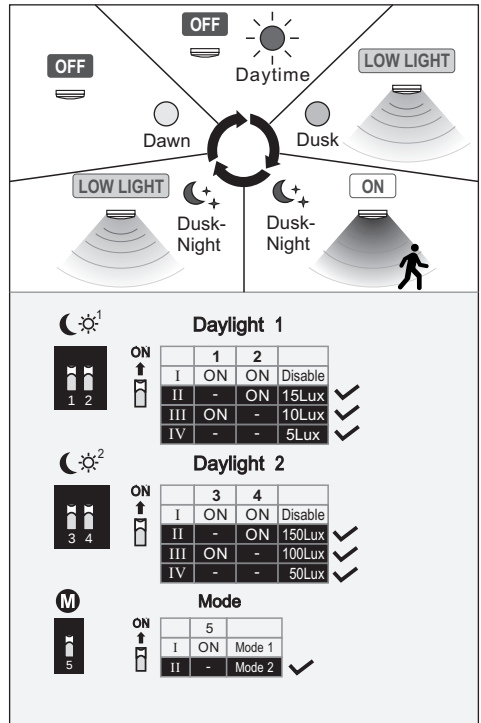
C Normal light-control function
Sensor with **On/Low light(10%)**.



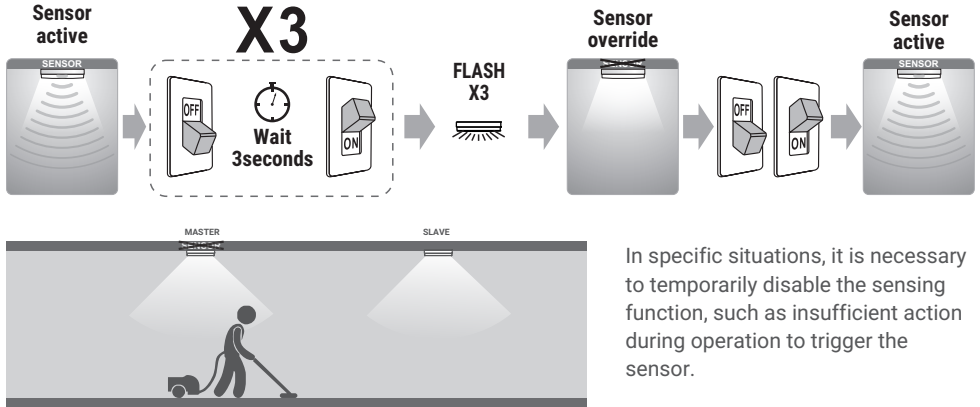
B Normal light-control function
Sensor with **On/Off**, two-step dimmable.



D Photocell prioritized function
Sensor with **On/Low light(10%)**



SENSOR OVERRIDE



In specific situations, it is necessary to temporarily disable the sensing function, such as insufficient action during operation to trigger the sensor.