

# DIMMING HIGH FREQUENCY MOTION SENSOR



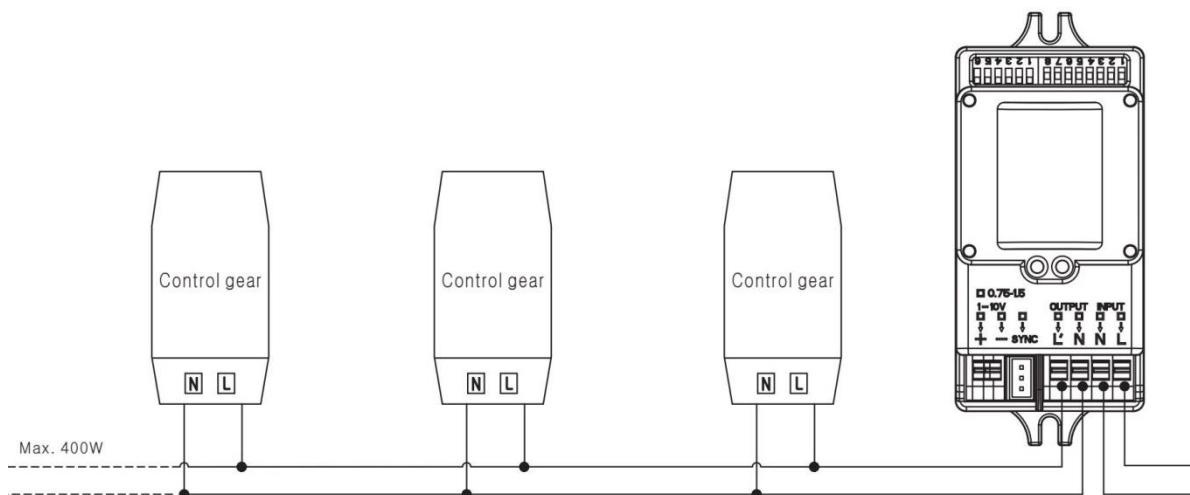
## SPECIFICATION SHEET

### FEATURES AND DIMENSIONS

	<b>Operating Voltage</b>	120-277Vac, 50Hz/60Hz
	<b>Rated capacitive load</b>	120V@400W;220-240V@800W;277V@1000W
	<b>HF system</b>	5.8GHz±75MHz, ISM wave band
	<b>Transmitting power</b>	<0.5mW
	<b>Power consumption</b>	≤0.5W(standby), <1W(operation)
	<b>Detection zone</b>	Max.(D x H): 16m x 15m
	<b>Detection sensitivity</b>	10% / 50% / 75% / 100%
	<b>Hold time</b>	5s / 30s / 90s / 3min / 20min / + ∞
	<b>Daylight sensor</b>	2lux/5lux / 10lux / 25lux / 50lux / 100lux / Disable
	<b>Stand-by period</b>	0s / 5s / 5min / 10min / 30min / 1h / +Disable
	<b>Stand-by dimming level</b>	10% / 20% / 30% / 50%
	<b>Mounting height</b>	15m Max.
	<b>Motion detection</b>	0.5~3m/s
	<b>Detection angle</b>	150°(wall installation), 360°(ceiling installation)
<b>Operating temperature</b>	-35°C ~ 70°C	
<b>IP rating</b>	IP20	

### ON/OFF FUNCTION

The High Frequency Motion Sensor can act as a simple ON/OFF motion sensor. The sensor will switch on the lights on detection of movement, and switch off after a hold time when no motion is detected.



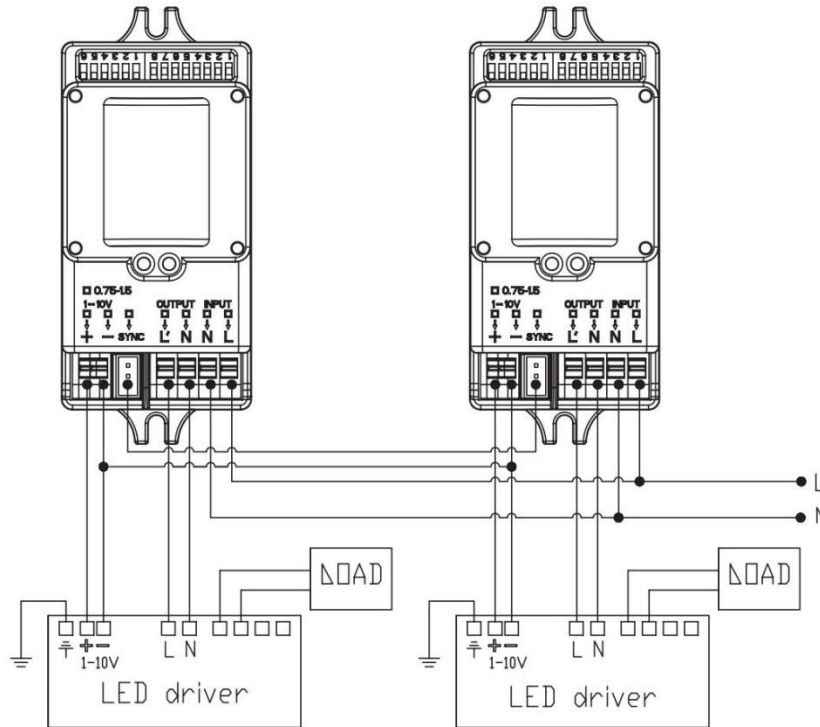
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### SYNCING FUNCTION

The high frequency motion sensor can be synced with multiple luminaires and sensors. Once any motion is detected by any of the sensors, the motion signal will be transmitted to the other connected sensors and simultaneously switch on all lights.

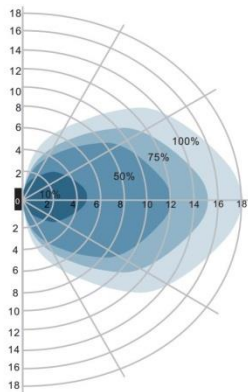


### DAYLIGHT SENSOR FUNCTION

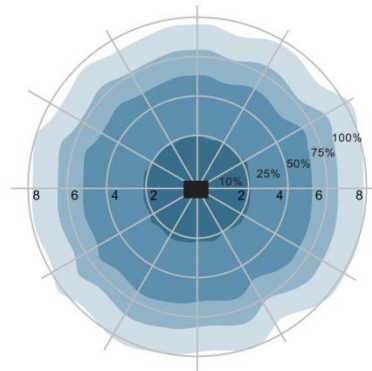
The motion sensor can be set to only allow the luminaires to illuminate below a defined brightness (Lux) level. The sensor will not switch on the light if there is sufficient natural light.

### DETECTION PATTERN

Depending on the fixture and its application, the motion sensor may be on the wall or on the ceiling.



Wall mounting pattern (Unit: m)  
Suggested installation height: 1-1.8m



Ceiling mounting pattern (Unit: m)  
Suggested installation height: 2.5-10m

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## SPECIFICATION SHEET

### DIP SWITCH SETTINGS

ON ↑ [DIP SWITCH]		1	2	
	I	ON	ON	100%
	II	ON	-	75%
	III	-	ON	50%
	IV	-	-	10%

#### **BANK 1-SWITCH 1,2: DETECTION AREA**

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

Default Setting: 100%

ON ↑ [DIP SWITCH]		3	4	5	
	I	ON	ON	ON	5S
	II	-	ON	ON	30S
	III	ON	-	ON	90S
	IV	-	-	ON	3min
	V	ON	ON	-	20min
	VI	-	-	-	+∞

#### **BANK 1-SWITCH 3,4, 5: HOLD TIME**

Refers to the time period the light remains at 100% illumination after no motion is detected.

Default Setting: 20 minutes

ON ↑ [DIP SWITCH]		6	7	8	
	I	ON	ON	ON	0S
	II	-	ON	ON	5S
	III	ON	-	ON	5min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
	VI	-	ON	-	1h
	VII	-	-	-	Disable

#### **BANK 1-SWITCH 6,7, 8: STAND-BY PERIOD**

Refers to the time period the light remains at a low light level before it completely switches off in the long absence of motion.

When set to "+∞" or "Disable" mode, the low light is maintained indefinitely until motion is again detected.

Default Setting: Disabled

ON ↑ [DIP SWITCH]		1	2	3	4	
	I	-	-	ON	ON	2Lux
	II	-	-	-	ON	5Lux
	III	-	ON	ON	-	10Lux
	IV	-	-	ON	-	25Lux
	V	-	ON	-	-	50Lux
	VI	ON	-	-	-	100Lux
	VII	-	-	-	-	Disable

#### **BANK 2-SWITCH 1,2, 3, 4: DAYLIGHT SENSOR**

The sensor can be set to only allow the fixture to illuminate below a defined ambient brightness threshold.

When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

50lux, 30lux: twilight operation, 10lux, 5lux: darkness operation only.

Note that daylight sensor is active only when lamp totally switches off.

Default Setting: Disabled

ON ↑ [DIP SWITCH]		5	6	
	I	ON	ON	50%
	II	-	ON	30%
	III	ON	-	20%
	IV	-	-	10%

#### **BANK 2-SWITCH 5,6: STAND-BY DIMMING LEVEL**

Refers to the dimmed light level after the hold time expires and no motion is detected.

Default Setting: 50%