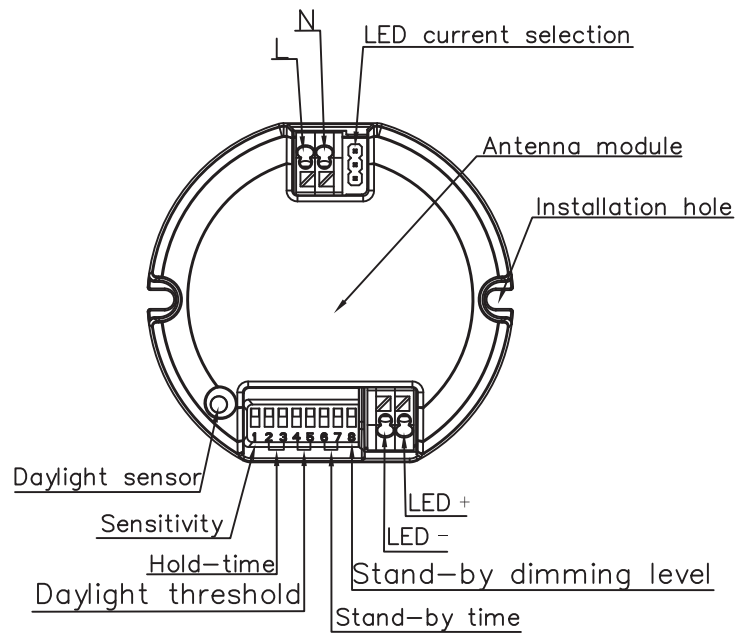
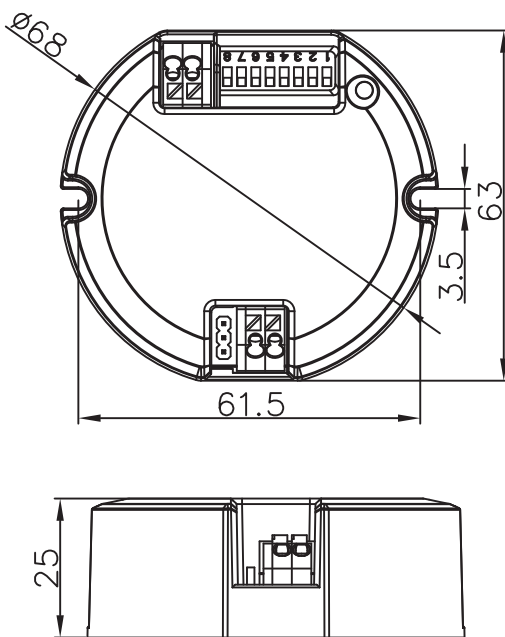


HF Detector & LED Driver 2-in-1 Dimmable Version

Model: UC02 (18W)

- Flicker free
- Isolated circuit
- Standby power <0.5W (latest ERP regulation)

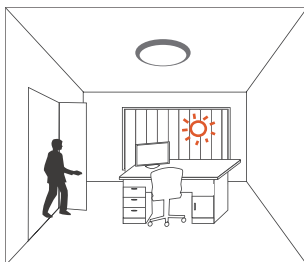


HF detector integrating with LED driver is now the trend. Make your luminaires simple but intelligent now!

Product Feature

Step-dim function

This combo product can turn on the light based on movement. With this detector built in, light is automatically on when needed and dimmed to preset level before it is totally off.



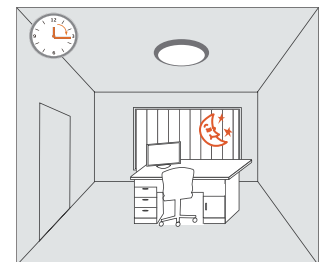
The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)



With movement and insufficient ambient lux level, the light is triggered on 100% by the detector.

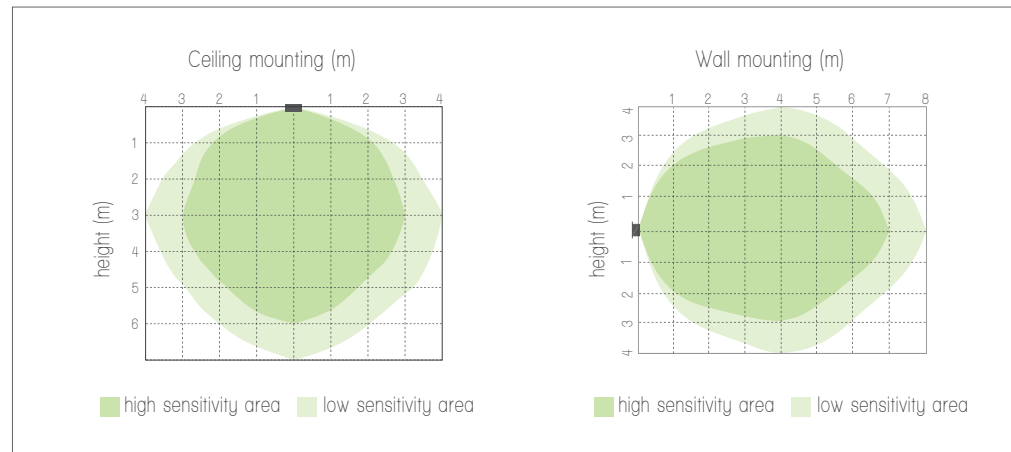


If there is no more movement, the light dims to stand-by dimming level after hold-time.



The light turns off automatically after stand-by time.

Detection pattern



Assembly

Sensor module
Antenna module
Do not be shielded by metal objects
Need to install hole



Settings

1. Sensitivity

Sensitivity can be adjusted by selecting the combination on the DIP switches for different applications.

I – 100%
II – 50%

	1	
I	●	100%
II	○	50%

2. Hold-time

Hold-time refers to the time period that the light remains 100% on if no more movement is detected.

I – 5s
II – 90s
III – 3min
IV – 10min

	2	3	
I	●	●	5s
II	●	○	90s
III	○	●	3min
IV	○	○	10min

3. Daylight threshold

Different daylight threshold can be preset on DIP switches. Light will always turn on upon movement if daylight sensor is disabled.

I – Disable
II – 50Lux
III – 10Lux
IV – 2Lux

	4	5	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2Lux

4. Stand-by time

This is the time period that the light remains at a low level before it is completely turned off.

I – 0s
II – 10s
III – 10min
IV – +∞

	6	7	
I	●	●	0s
II	●	○	10s
III	○	●	10min
IV	○	○	+∞

5. Stand-by dimming level

Light can be dimmed to different levels after hold-time.

I – 10%

II – 30%



	8	
I	●	10%
II	○	30%

Specification

Model	UC02 (300 / 350mA)	UC02 (500 / 600mA)
Operating voltage	220- 240VAC 50/60Hz	220- 240VAC 50/60Hz
Input current	100mA (220VAC) & 90mA (240VAC)	100mA (220VAC) & 90mA (240VAC)
Input power	16W	20W
Output current	300 / 350mA	500 / 600mA
Output voltage	27-42V / 27-42V	24-36V / 24-30V
Empty load voltage	50V	50V
Power factory	> 0.9	> 0.9
Power efficiency	84% (Max)	84% (Max)
Flicker free or not	No flicker	No flicker
Operating temperature	-20 °C ~ 50 °C TC 85 °C	-20 °C ~ 50 °C TC 85 °C
Standby power	< 0.5W	< 0.5W
Sensitivity	100% / 50%	
Hold time	5s / 90s / 3min / 10min	
Daylight threshold	2lux / 10lux / 50lux / disable	
Stand-by period	0s / 10s / 10min / +∞	
Stand-by dimming level	10% / 30%	
Microwave frequency	5.8GHz +/- 75MHz	
Microwave Power	< 0.2mW	
Detection range	Max. installation height: 6m Max. detection range: Ø 8m @ 3m installation height	
Detection angle	30°-150°	
Warming up period	20s	
Abnormal protection	Output short-circuit protection with auto-reset	
EMC standard	EN55015	
Safety standard	EN61347-1 EN61347-2-13 EN60598-1	
IP rating	IP20	
Certificate	CE, RED, UKCA, RCM	
Lifetime	5-Year Warranty	