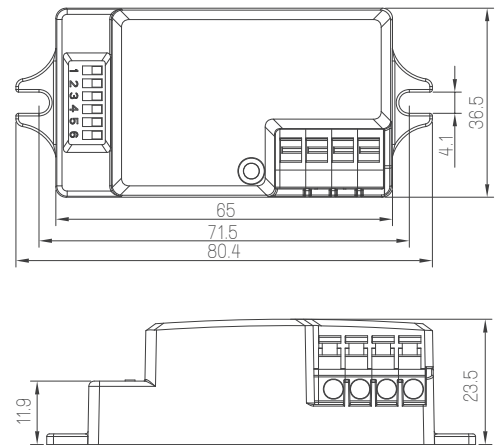
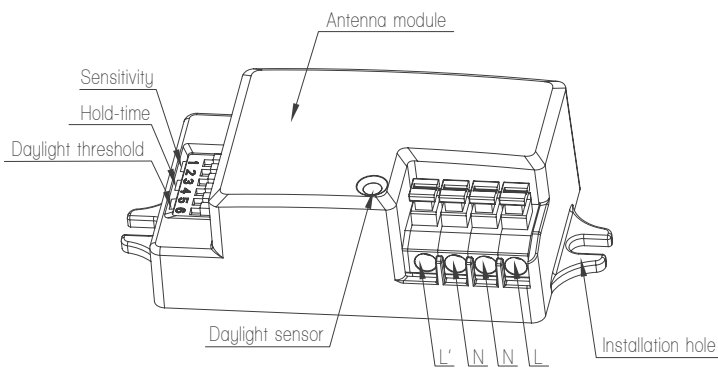


# On/off Detector 120VAC Version

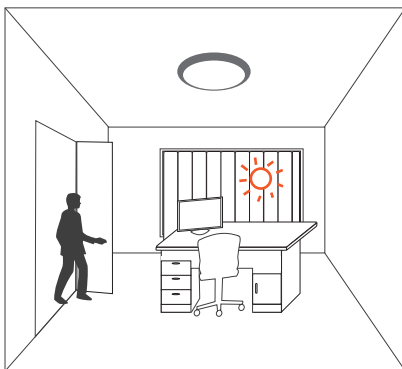
Model: UM01 /F



## Product Feature

### On/off function

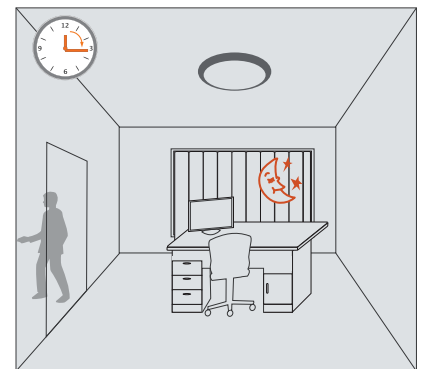
The motion detector can turn on the light based on movement. With this detector built in, light is automatically on when needed and off when not needed.



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

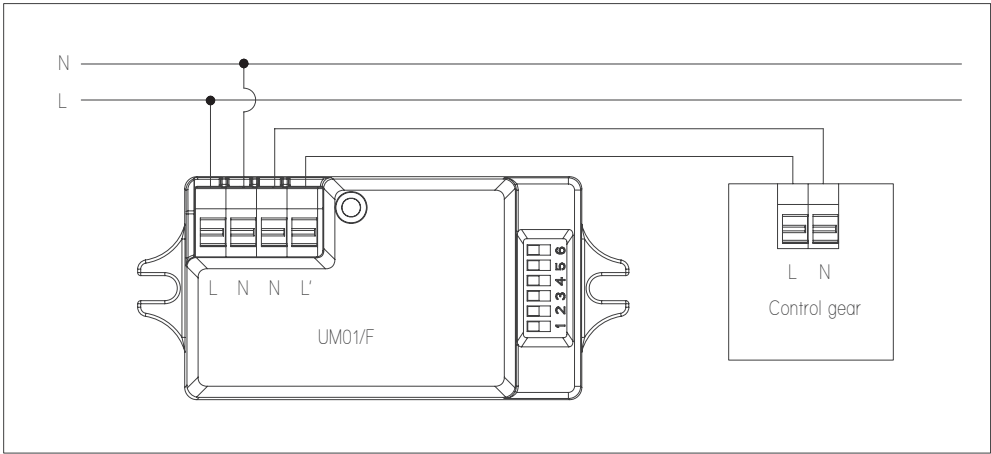


With movement and insufficient ambient lux level, the light is triggered on by the detector.

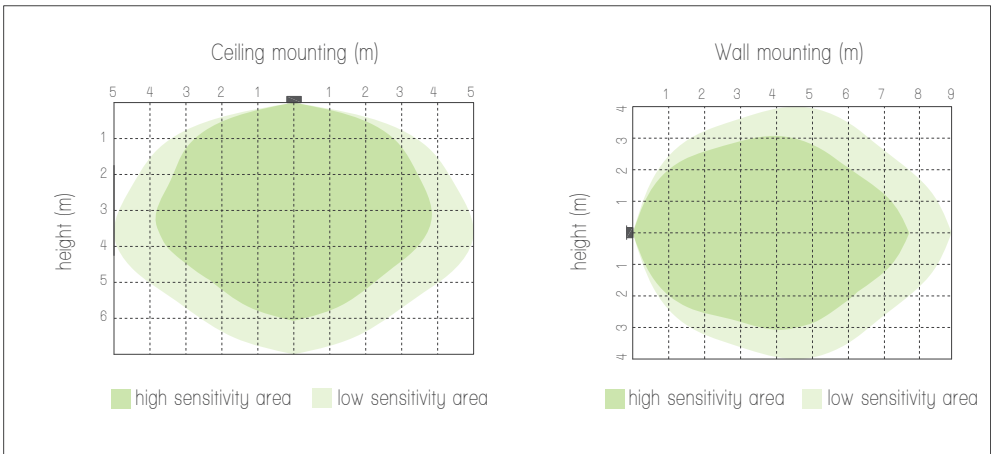


If there is no more movement, the light turns off automatically after hold-time preset.

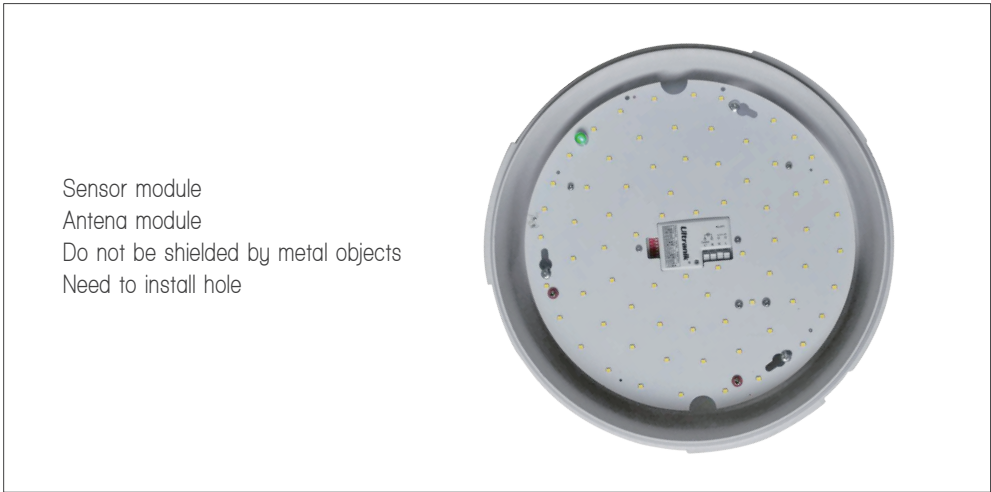
Wiring



Detection pattern



Assembly




Settings

### 1. Sensitivity

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

- I – 100%
- II – 75%
- III – 50%
- IV – 10%




|     | 1 | 2 |      |
|-----|---|---|------|
| I   | ● | ● | 100% |
| II  | ● | ○ | 75%  |
| III | ○ | ● | 50%  |
| IV  | ○ | ○ | 10%  |

### 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 – 5min
- IV – 15min




|     | 3 | 4 |       |
|-----|---|---|-------|
| I   | ● | ● | 5s    |
| II  | ● | ○ | 90s   |
| III | ○ | ● | 5min  |
| IV  | ○ | ○ | 15min |

### 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



|     | 5 | 6 |         |
|-----|---|---|---------|
| I   | ● | ● | Disable |
| II  | ● | ○ | 50Lux   |
| III | ○ | ● | 10Lux   |
| IV  | ○ | ○ | 2Lux    |

Specification

|                     |   |
|---------------------|---|
| Operating voltage   | 120 VAC 50/60Hz                               |
| Rated load          | 200W (Capacitive load); 400W (Resistive load) |
| Stand-by power      | <0.5W   |
| Sensitivity         | 10% / 50% / 75% / 100%                        |
| Hold-time           | 5s / 90s / 5min / 15min                       |
| Daylight sensor     | 2lux / 10lux / 50lux, disable                 |
| Microwave frequency | 5.8 GHz +/- 75MHz                             |
| Transmitting power  | <0.2mW  |
| Detection range     | Max (diameter x height): 10m x 6m             |
| Detection angle     | 30° ~ 150°                                    |
| Working temperature | -20°C ~ +60°C                                 |
| IP rating           | IP20  |
| Certificate         | ETL, FCC                                      |