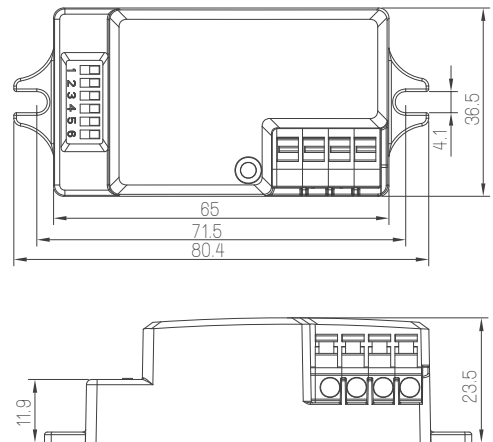
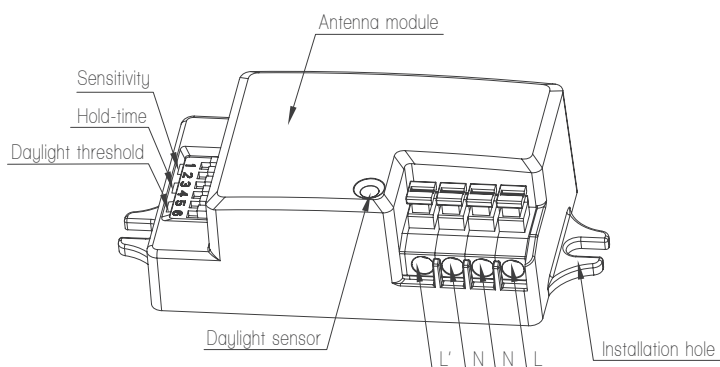
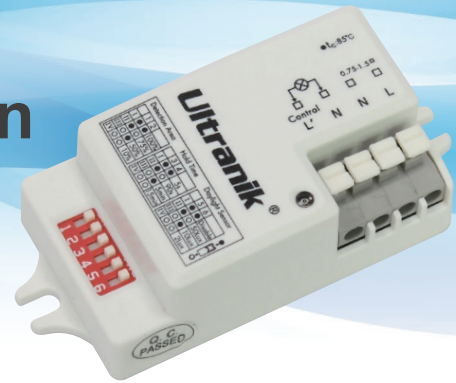


# Motion sensor, Detector 120 - 277,120 VAC Version

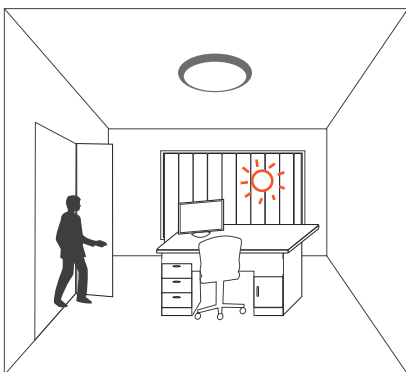
Model: UM01 /FU,UM01



## Product Feature

### On/off function

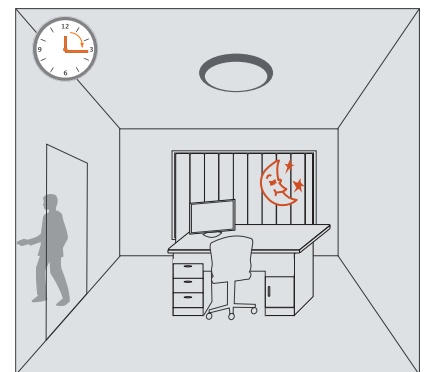
The motion detector can turn on the light based on movement. With this detector built in, light is automatically on when needed and off when not needed.



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

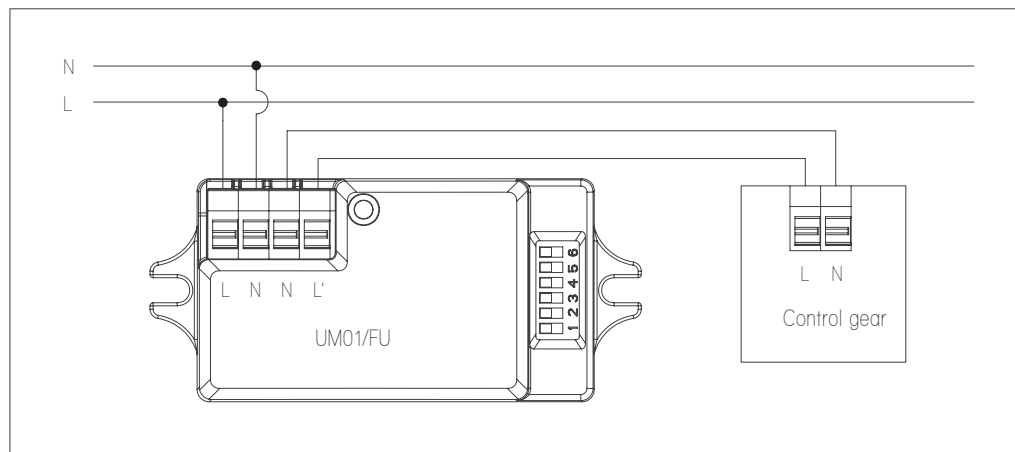


With movement and insufficient ambient lux level, the light is triggered on by the detector.

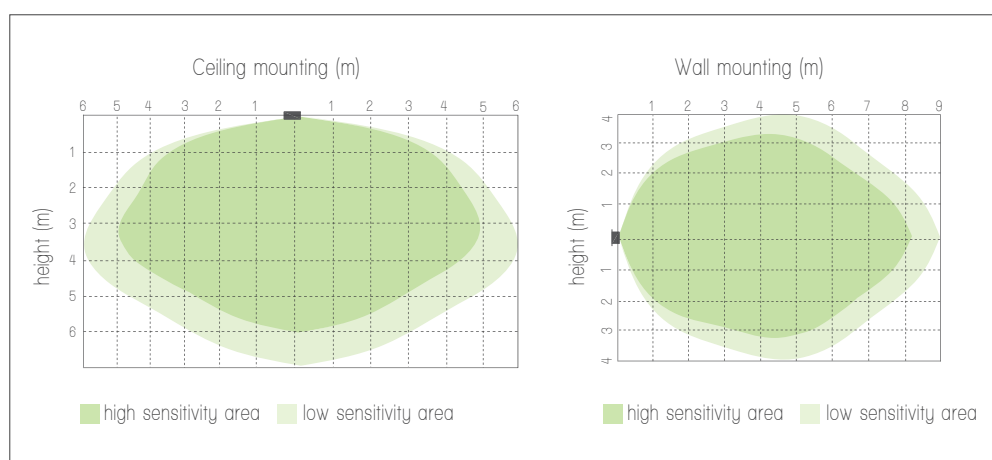


If there is no more movement, the light turns off automatically after hold-time preset.

## Wiring



## Detection pattern



## Assembly

Sensor module  
Antena 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 – 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 -277 VAC 50/60Hz <b>UM01(120V)</b>
Rated load	400W @120VAC, 900W@277 VAC (capacitive 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. installation height: 6m Max. detection range: Ø 12m @ 3m installation height
Detection angle	30° ~ 150°
Working temperature	-20°C ~ +60°C
IP rating	IP20
Certificate	ETL, FCC

This device complies with Part 15 of the FCC rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

The distance between user and products should be no less than 20cm.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development (ISED) Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement.

The distance between user and products should be no less than 20cm.

Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux flux RSS exempts de licence du Canada pour l'innovation, la Science et le développement économique (ISDE). Le fonctionnement est soumis aux deux conditions suivantes: (1) ce dispositif ne peut pas causer d'interférence, (2) ce dispositif doit accepter toute interférence, y compris les interférences pouvant causer un fonctionnement indésirable du dispositif.

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF.

la distance entre l'utilisateur et les produits devraient être au moins 20 cm.