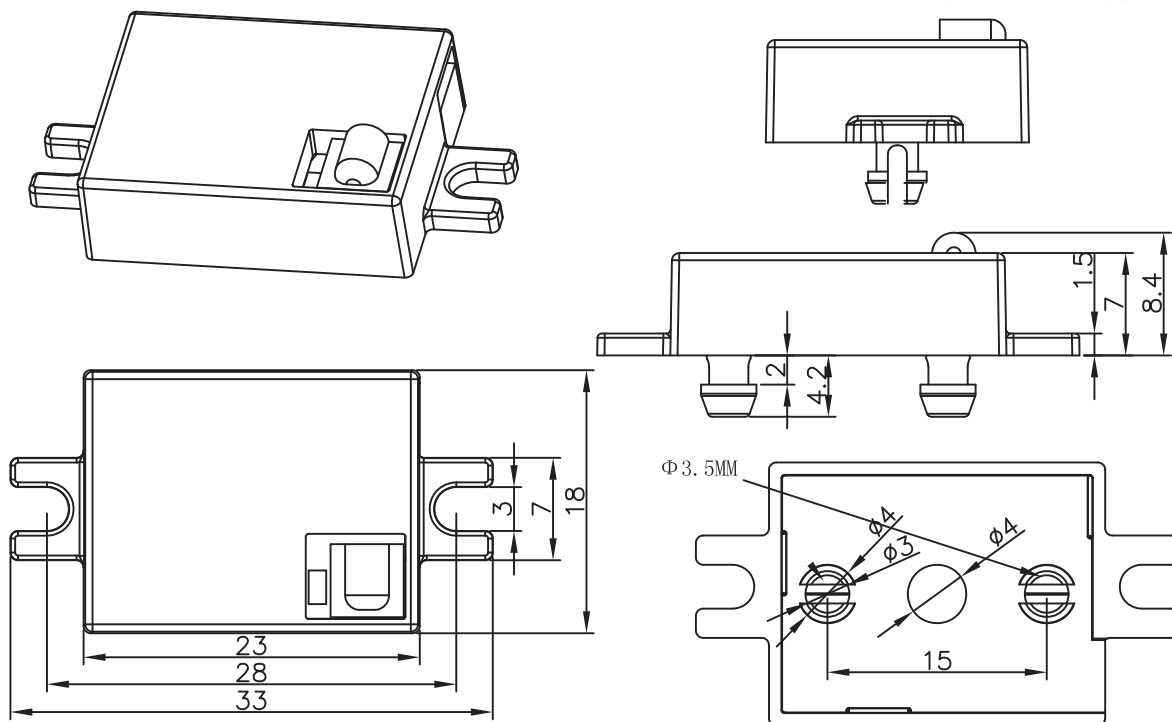


12VDC Compact Sensor Remote Version

Model: UC23DC/RC+URC06

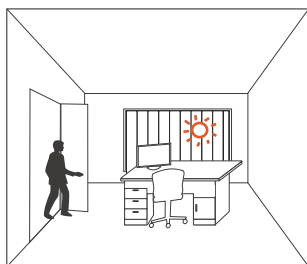


Note: advised drilling dimension --- $\phi 3.5\text{mm}$

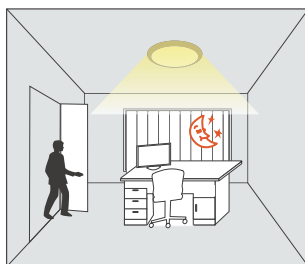
Product Feature

Step-dim function (corridor function)

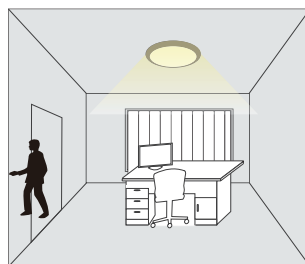
The motion detector can turn on the light based on movement. With this detector built in, light is automatically on when needed and dimmed to preset level before it is totally off.



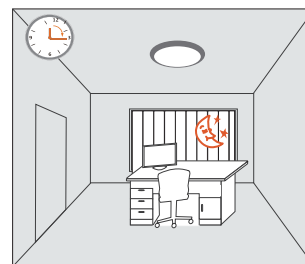
The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)



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

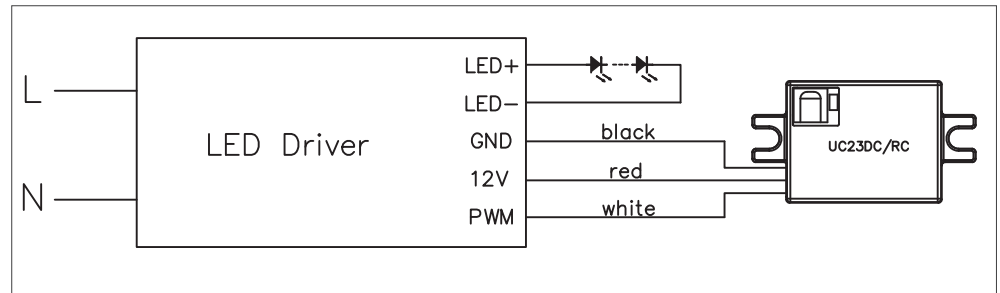


If there is no more movement, the light dims to stand-by dimming level after hold-time.

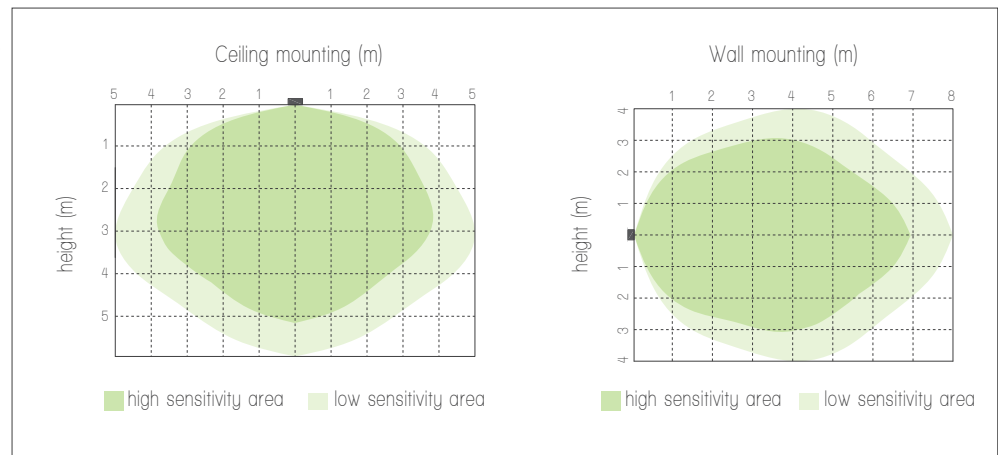


The light turns off automatically after stand-by time.

Wiring



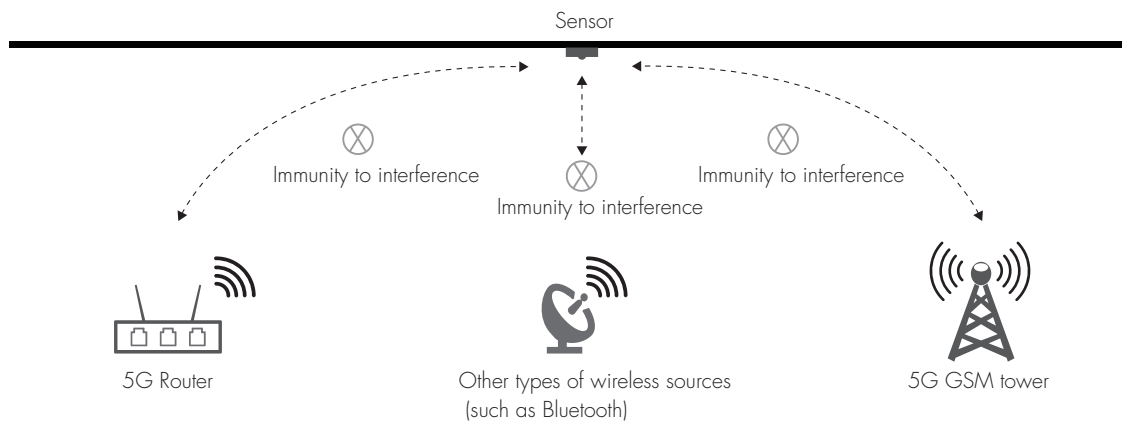
Detection pattern



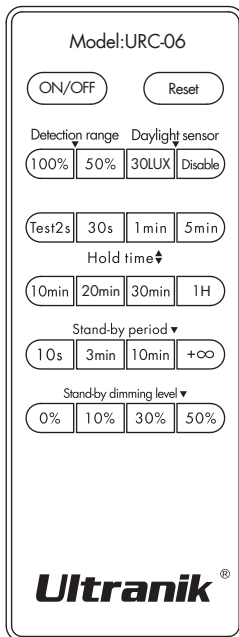
Highlighting

UltraniK's microwave motion sensor uses 5.8GHz high frequency (HF) antenna. With the increasing density of wireless environments such as 5G GSM and 5G Wi-Fi, this has created extra challenges for sensor's operation because the air is shared by all kinds of wireless signals, and transmissions from any device at the similar frequency could potentially cause interference. The effects of interference may cause false triggering of sensors (turning on/off erratically), or lights staying on even after hold time etc.

Now UltraniK has developed a robust HF module, loaded with our own special sophisticated software. This robust HF module can withstand different types of wireless interferences in the real application. We believe this is the ultimate solution towards demanding installation environments in the future.



Settings



ON/OFF ON/OFF Permanent ON/OFF Function

Press the ON/OFF button, the light goes to permanent on or permanent off
Press "RESET" buttons to quit from this mode.

Reset Reset function

Press "RESET" button, all setting go back to factory default setting as followed:

100%	5min	10min	Disable	10%
detection range	hold time	stand-by period	daylight sensor	stand-by dimming

Detection range

Select as appropriate to adjust/reduce sensor sensitivity, 100% and 50%, pls refer to detection pattern.

Hold Time

Hold time refers to the time period that the light remain 100% on if no more movement detected

Daylight sensor

Select daylight sensor threshold level at 30lux. Ambient light must below this lux threshold for sensor to turn light on.

Press Lux Disable button for fixture to always turn on when motion detected.

Stand-by period (tri-level control)

Press the buttons of "stand-by period" to set stand-by period at 10s / 3min / 10min / +∞.

Note: "+∞" means bi-level control, light never switches off .

Stand-by dimming level

Press the buttons of "stand-by dimming level" to set the stand-by dimming level at 0% / 10% / 30% / 50%.

Note: "0%" means on/off control

Specification

Input	12VDC (≥15mA)
Output	5V PWM
Stand-by power	<0.2W
Sensitivity	100% / 50%
Hold-time	Test / 30s / 1min / 5min / 10min / 20min / 30min / 1h
Stand-by time	10s / 3min / 10min / +∞
Stand-by dim level	0% / 10% / 30% / 50%
Daylight sensor	30lux / disable
Microwave frequency	5.8 GHz +/- 75MHz
Transmitting power	<0.2mW
Detection range	Max. installation height: 6m Max. detection range: Ø 10m @ 3m installation height
Detection angle(Max)	30° ~ 150°
Working temperature	-20° C ~ +60° C