

- Square design, tiny size For pre-intallation.
- With quick connector
- Remote Control

On/Off Control

Daylight Sensor

Detection Area

Hold Time

Stand-by dimming level

Stand-by period

Remote Control

IP Rating

Warranty

Technical Data

Microwave Information

Microwave Frequency	5.8GHz±75MHz
Microwave Power	<0.3mW
Installation Height	Max.6m/19.68ft Ceiling Mounted
Detection Distance	Radius.3-7m/9.84-22.96ft Ceiling Mounted
Detection Angle	Side Wall<150° Ceiling Mounted 360°
Working Temp	-35°C~+60°C

Electrical Specifications

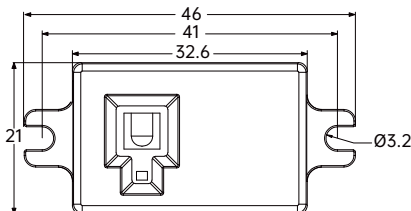
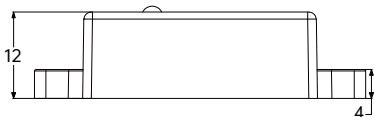
Operating Voltage	DC 10-15V
Operating Current	<30mA
Power Capacity	<40mA
Control Method	0-10V
Connection	With quick connector

Sensor Parameter

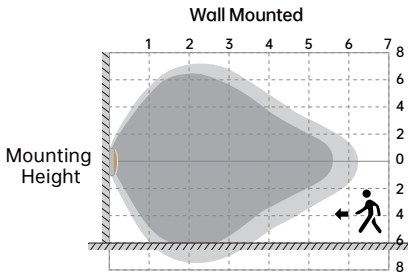
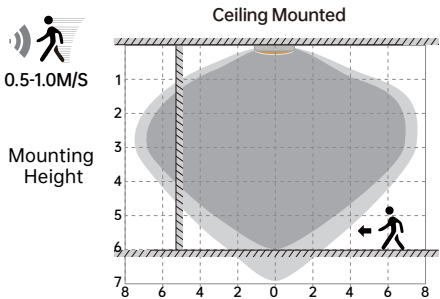
Control Method	HD06R Remote Control (Note: When use HD03R, DIM+/DIM-/Auto Mode button can not work.)
Detection Area	25%/50%/75%/100%
Holdtime	5s/30s/1min/3min/5min/10min/20min/30min
Stand-by Period	0s/10s/30s/1min/5min/10min/30min/60min+∞
Stand-by Dimming Level	10%/20%/30%/50%
Daylight Threshold	2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/200Lux/Disable
Manually Dimming	Manually dim 10%~100% in ON/OFF mode, 60%~100% in sensor mode

Dimensions Unit: mm

Shown-part length about 78mm



Detection Patterns



Highest mounting height is 6m
This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

- Well Detected Area
- Possibly Detected Area



1. Please read the instructions carefully before using this product and keep it well for all users to read at any time.
2. The sensor should be installed by qualified electrician and ensure power is off before the installation.
3. We reserve the right to modify any incorrect text, image and necessary technical parameters.
4. Any unauthorized modification is forbidden, otherwise all guarantees will be immediately invalid.

Installation precautions

1. Microwave sensor can be installed in any lamp except the one with full metal shell.
2. The detected surface cannot be shielded by metal objects.
3. Make sure the microwave module is completely exposed outside.
4. The detection surface of the sensor module shall be installed facing the detection area.
5. Should be kept away from the driver to avoid interference generation and lamp flashing.
6. Wiring must be strictly in accordance with the wiring diagram to avoid short circuit.














Application Environment

1. Suitable for indoor installation to avoid false triggering due to external factors such as rain, wind or tree swing.
2. Shall not be installed in the place with all four metal shelters and small space (such as galvanized-iron roof).
3. Shall note be mounted installation, so as to avoid false trigger caused by the lamp itself shaking.
4. Shall not be installed next to large operating machines such as ventilator/ceiling fan to avoid false triggering caused by machine vibration.

User Notes

1. Microwave can penetrate walls or glass thinner than <20mm and attenuate if thicker than <20mm.
2. The driver voltage shall be stable and float within 10%.
3. Detection area will be affected by speed of motion, mounting height and movement volume.
4. Conduct test on sunny days without the lampshade which will affect the tested lux value.

Remote For Dimmable Sensors With Memory Function

Remote Keys	Function	Performance
	ON/OFF	1. "ON/OFF" key only functions as a switch of the light. 2. If press this button to turn off the lamp before it's short-circuited, the lamp will remain off after power-on again.
	Auto Mode	Press "Auto Mode" button, the sensor starts to work and all settings remain the same before the light gets switched on/off.
	Reset	1. Press "Reset" button, change brightness to max level. 2. Press "Reset" button, products with DIP switch will be controlled by DIP switches; otherwise all the setting will be just initial, that is 100% detection range, hold time 5S, no stand-by time and daylight threshold disabled.
	+/-	1. To adjust brightness 10-100% in on/off mode. 2. To adjust highest brightness 60-100% in sensor mode.
	Start	Press "Start" to customize scene, users can change detection range, daylight threshold, holdtime, standby dimming level and standby period.
	Memory	1. Press "Memory" to save all the settings. 2. The settings remained as the last time if not get reset values.
	Apply	1. Press "Apply" to deliver the saved setting. 2. Press "Apply" without "memory" will make all the setting one-time operation. 3. Settings should be done within 30S, otherwise it exits memory mode.
	Detection area	Detection area (Press to define detection area 100%/75%/50%/25%).
	Hold time	Hold time (Press to define holdtime 5s/30s/1min/3min/5min/10min/20min/30min)
	Stand-by dimming level	Stand-by dimming level (Press to define stand-by dimming level 10%/20%/30%/50%).
	Stand-by period	Stand-by period (Press to define stand-by period 0s/10s/30s/1min/5min/10min/30min/+∞.) Note: "0s" means no standby period; "+∞." means unlimited standby period.
	Daylight Threshold	Daylight threshold (Press to define daylight level 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable.) Note: Disable means light will be turned on once sensor detects movement, regardless of the ambient lux.
	Test mode	The button "Test (2s)" is for testing purpose after commissioning. Pressing this button, the sensor goes to test mode (hold time is only 2s)

How to use HD03R

Sensor Programming: For singla sensor testing purpose

1. ON/OFF button to turn on the light .
2. RESET button to start programming .
3. Choose necessary functional buttons of all the zones: detection area, holdtime, standby dimming level, standby period and daylight threshold.
4. Done and leave it; the program has been well kept in the remote now.

For project programing purpose

@the 1st sensor

1. ON/OFF button to turn on the light
2. RESET button to start programming
3. START button
4. Choose necessary functional buttons of all the zones: detection area, holdtime, standby dimming level, standby period and daylight threshold
5. MEMORY button to keep the program inside the remote
6. APPLY button to deliver the kept program
7. Done and leave it

@the rest sensors

1. ON/OFF button to turn on the light
2. RESET button to start programming
3. APPLY button to deliver the kept program
4. Setup has completed

Manually dimming:

1. ON/OFF button to turn on the light
2. Press + -Buttons on the right top corner to manually dim up or down the light.
3. Press TEST(2S) button to test if the sensor has been well connected; it will keep light ON for 2S only.

