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# Magic Wand

## Smart Grouped Sensor

(Support Single Color Temperature Non-Dimmable LED Light)

HSSD34-MWZ-SW-OID

HSSD34-MWZ-SW-MID

HSSD34-MWZ-SW-PID



Zigbee Mesh  
Network Control



Motion  
Sensor



Occupancy  
Sensor



Daylight  
Sensor



Magic Wand  
Remote Control



Zoning & Grouping



ON/OFF

CE

RoHS



# Applications

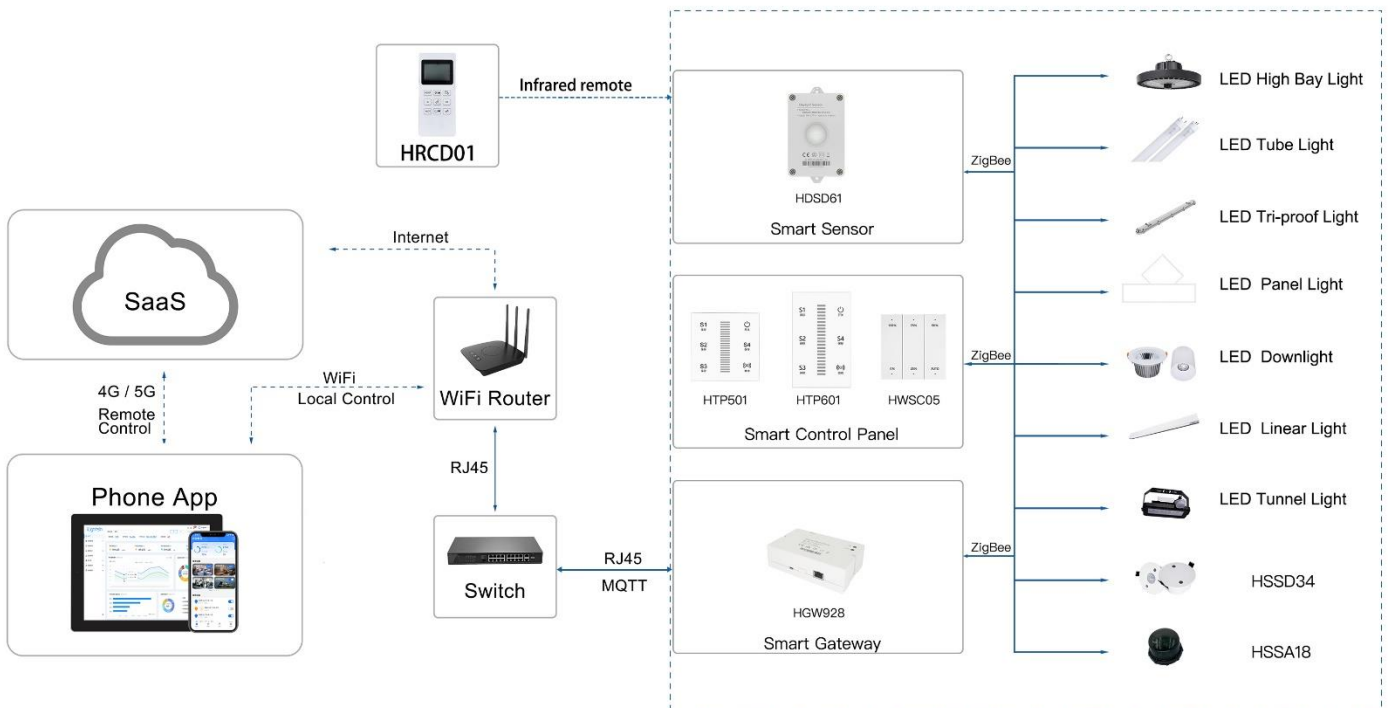
- Conference room
- Private office
- Open office
- Classrooms
- Rest area
- Rest Room
- Reception area
- Staircase
- Restaurant

# Features

- HSSD34-MWZ-SW is a on/off control sensor.
- Input voltage 200-240Vac
- Presence sensing. (Presence sensing refers to the use of human body micro movements within the sensing range, such as standing up, sitting down, waving hands, shaking the head, slightly swinging the body, etc. After triggering the sensing, micro actions such as brushing the phone, tapping the keyboard, writing, etc. can be achieved to maintain the continuous sensing state of the sensor.)
- Built-in infrared illumination sensor.
- Easy Grouping without Gateway via Magic Wand Remote Control.
- ZigBee mesh network smart controls.
- Support OTA upgrade.



# System Diagram





## Product Data

Protection class IEC	IP20
Warranty	5 Years Warranty
Certificate	CE , RoHS

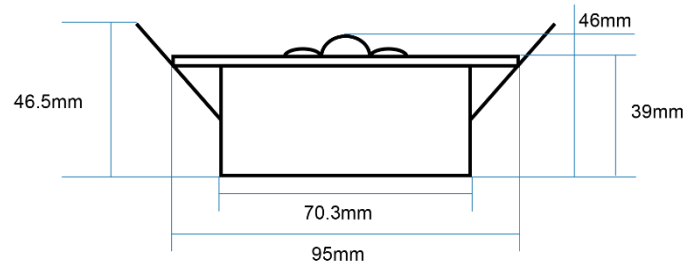
## Operating and Electrical

Input voltage	200-240Vac
Output Voltage	200-240Vac
Max. Current	3A
Wireless Frequency	2.4GHz
Support frequency band	24GHz ISM / 5.8GHz ±75 MHz ISM Band

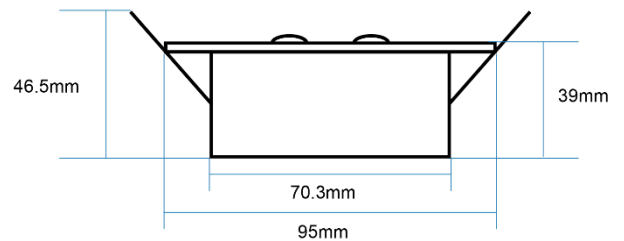
## Mechanical and Housing

Structure Material	PC V0
Fixture Color	White
Mounting Option	Embedded
Opening size (ceiling mounted installation)	75mm

## Drawing

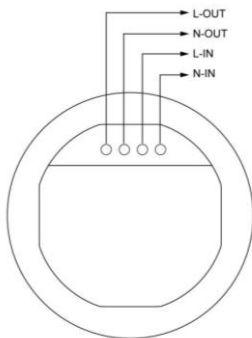


HSSD34-MWZ-SW-PID



HSSD34-MWZ-SW-MID/OID

## Wiring Diagram



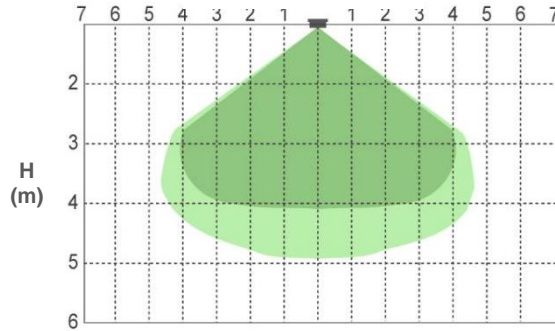
**Please turn off the power when wiring**

Wire harness		Description
AC In	L	Input AC200 – 240V Firewire
	N	Input AC200 – 240V Neutral line
AC Out	L	Output AC200 – 240V Firewire
	N	Output AC200 – 240V Neutral line



# Detection Range

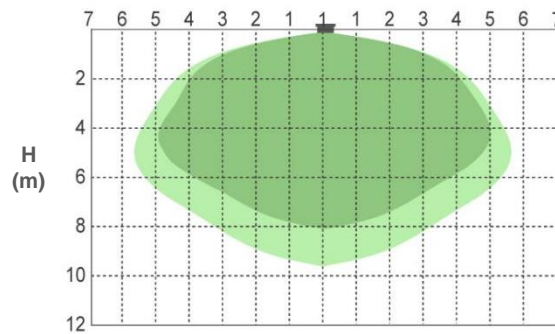
Ceiling mounted (m)



Micro-motion
  Motion

**HSSD34-MWZ-SW-OID**

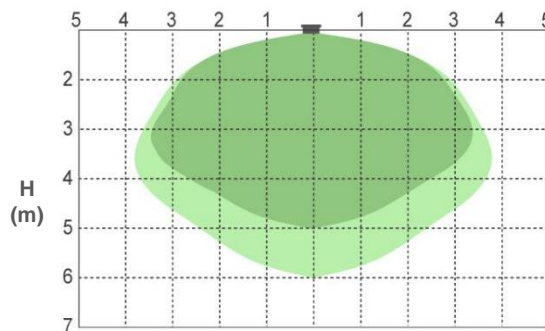
Ceiling mounted (m)



High sensitivity area
  Low sensitivity area

**HSSD34-MWZ-SW-MID**

Ceiling mounted (m)



High sensitivity area
  Low sensitivity area

**HSSD34-MWZ-SW-PID**



## Product Parameter

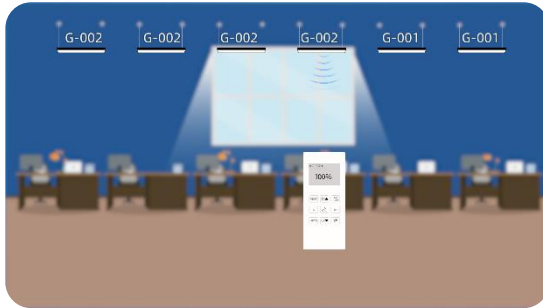
Model Number	Sensor	input voltage	Control Distance	Wireless communication distance	Maximum installation height	Maximum detection range	Detection angle	Illumination range	working temperature
HSSD34-MWZ-SW-OID-OTA-3.0	OID : Occupancy Sensor + Infrared Daylight Sensor	200-240Vac	10m	30m	4m	8m	± 60°	0-600Lux	-20°C ~ 55°C
HSSD34-MWZ-SW-MID-OTA-3.0	MID: Microwave motion sensor + Infrared Daylight sensor				8m	10m	± 60°		-20°C ~ 55°C
HSSD34-MWZ-SW-PID-OTA-3.0	PID: PIR motion sensor + Infrared Daylight sensor				6m	5m	≤75°		-20°C ~ 45°C

## Package

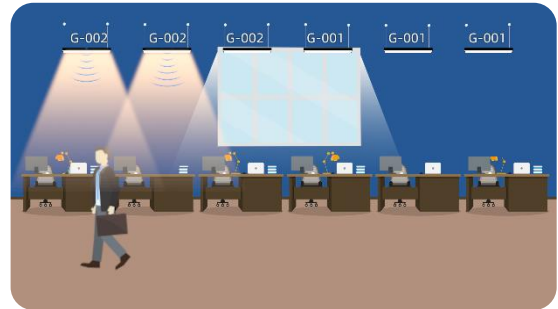
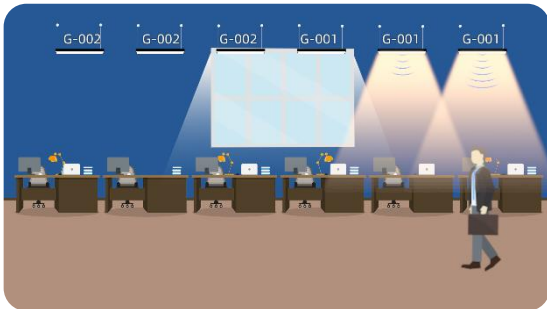
Model Number	Net Weight	Gross Weight	Product Size	Package size	Package
HSSD34-MWZ-SW-OID-OTA-3.0	110g	141g	110*39*95mm	116*50.5*98mm	1Pcs/Box
HSSD34-MWZ-SW-MID-OTA-3.0	110g	141g	110*39*95mm	116*50.5*98mm	1Pcs/Box
HSSD34-MWZ-SW-PID-OTA-3.0	110g	141g	110*39*95mm	116*50.5*98mm	1Pcs/Box



## Typical Working Scenarios



The “Magic Wand” smart lamps of HOMA are embedded with motion sensor and daylight sensor, using a “Magic Wand” remote control, users can set grouping and parameters very fast and convenient. By adopting the standard ZigBee technology, “Magic Wand” has the inborn advantages like long transmission distance, multiple channels and mesh network.



Users can set the sensor parameters of one group or individual lamp with one button, and change lamp brightness. In one group, the motion sensors work together to control these grouped lamps, and the daylight sensors control the individual lamps on/off according to the ambient brightness.

The magic wand serial include panel, linear light, tri-proof light, highbay, LED tube. This kind of smart lamps can be used for industrial and commercial area, example offices, warehouses, factories, parking and others.