

# Datasheet

## **ZigBee Pro™ On/Off Light Sensing Switch**

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Fig.1 Z311B/G/H Appearance

## introduction

Z311B/G/H is a light sensing level switch based on ZigBee Wireless Technology. Z311B/G/H sends ON/OFF & Level control signal according to the surrounding light intensity around it to the paired lighting devices to maintain brightness in the room. Z311B/G/H has the merits of easy installation and low power consumption. It does not need any wiring and is equipped with the latest energy saving technology.

## Electrical property

Power supply	2 x CR2450 3V button batteries
Voltage range	DC +2.2V~3.3V
Stand by current	0.8uA/3.0V
TX current(max)	43mA/3.0V
RX current(max)	28mA/3.0V
Detecting range	1~3000LUX

## Frequency

Frequency	2.4 – 2.4835 GHz
Channel number	16 (ISM 11 <sup>th</sup> ~26 <sup>th</sup> )
TX power	7dBm
Antenna type	Build-in antenna
Communication rang	100 meters
Rx sensitivity	-101dBm
Data transfer rate	250Kbps
Spread technique	DSSS (O-QPSK)

## Physical property

Dimension	57mm x 35mm x 15mm
Humidity	<95%RH
Working Temp.	-10°C ~ 50°C
Storage Temp.	-40°C ~ 85°C