

Datasheet

ZigBee Pro™ On/Off Light Sensing Switch

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Fig.1 Z311H Appearance

introduction

Z311H is a light sensing level switch based on ZigBee Wireless Technology. Z311H 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. Z311H 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 th ~26 th)
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