

# ZigBee® Wireless Sensor

## Infrared Motion Sensor

### ZB01A/B/C



**ZB01**  
Infrared Motion Detector

#### Product Model

**ZB01A**

Infrared motion sensor

**ZB01B**

Outdoor light control

**ZB01C**

Motion + light control+ temperature sense

ZB01 is an infrared motion detector integrated with ZigBee wireless technology. Through infrared acquisition. **ZB01A** is a security infrared motion detector. When motion is detected, it sends a message to the security center. **ZB01B** is a light switch. When the surrounding light intensity is low, the ZB01B sends a 30 second light on message. ZB01C contains features of **ZB01A** and **ZB01B** plus a temperature sensor which reports temperature at 3 minutes time interval and is configurable.

#### Main Features

- ZigBee device type : IAS Zone / On Off Light Switch / Temperature Sensor
- Match up with CIE device
- ZigBee HA profile compatible
- Two power selectable:12V DC power or CR123A battery
- Wide angle detection
- Indoor temperature induction

#### Technical Parameter

<b>Power Supply:</b>	2 x 3V CR123A batteries or DC 12V switching power supply
<b>Consumption:</b>	Tx 38mA / Rx 38mA
<b>Protocol:</b>	IEEE 802.15.4 / ZigBee Pro
<b>Frequency:</b>	2.405-2.480 GHz
<b>Detection Mode:</b>	Passive Infrared
<b>Detection Coverage:</b>	4~12m@room temp, Horiz 120 deg, Ver 60deg
<b>Installation Height:</b>	2.5 meters
<b>Initiation Time:</b>	1 minute
<b>Communication Range:</b>	Up to 50 meters indoor
<b>Operating Ambient:</b>	Temperature -10~50°C
	Humidity max. 95%RH
<b>Product Dimension:</b>	80mmx60mmx34mm