

Datasheet

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Notes:

Hardware Version: 1.1

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ZigBee Pro™ Light Sensor



Fig. Z311E Appearance

Introduction

Netvox Z311E, an asset tag for monitoring in a security system, acts as an End Device in ZigBee network. It does not perform permit-join function as a coordinator or a router for other devices to join the network. Z311E is featured to play a role of the sensor (Zone device) in the ZigBee security system. It is for installing on an object. When the object is moved, Z311E will notify the central security unit, CIE (Control and Indicating Equipment) device, to send commands to a siren device to trigger an alarm.

Electric Parameters

Working power	2pcs 3.0V CR2450 button battery
Standby current	7.6uA/3.0V
Transmitting current (max)	43mA/3.0V
Receiving current (max)	28mA/3.0V

Frequency Parameters

Frequency range	2.4 — 2.4835 GHz
Channel numbers	16
Spread technique	DSSS (O-QPSK)
Data transfer rate	250 Kbps
Output power	7dBm
Rx sensitivity	-101dBm
Antenna type	Build-in antenna
Communication rang	100M (line-of-sight)

Physical Parameters

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