

Wireless Wearable Presence Tag with Emergency Button



Z308 Datasheet

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Introduction

Z308, a wearable presence tag, acts as an IAS device for minor children/aged-care use. It is an ideal product to detect one's presence within/ out of the network coverage for safety purpose. Z308 periodically sends presence/absence report to keep a close watch on those who wear it. Z308 also works as an emergency button. When users ask for urgent assistance, simply push the button, and Z308 will send the alarm message to the command center. The Warning Device will send out alarm sound or lighting alert for immediate help.

Main Character

- Fully IEEE 802.15.4 compliant
- Utilizes 2.4GHz ISM band; up to 16 channels
- Easy installation and configuration

Electric Parameters

Working Power	3V CR2450 button battery
Standby Current	1.3uA
Transmitting Current (Max)	33 mA
Receiving Current (Max)	28mA

Frequency Parameters

Frequency Range	2.4 — 2.4835 GHz
Channel Numbers	16 channels (ISM 11 th ~ 26 th channel)
TX Power	7dBm (Max.)
Rx Sensitivity	-101dBm
Antenna Type	Build-in antenna
Communication Rang	200 meters (linear distance in open field)
Data Transfer Rate	250 Kbps
Spread technique	DSSS (O-QPSK)

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Physical Parameters

Dimension	45mm x 39mm x 15mm
Working Temperature	-10°C ~ +50°C
Storage Temperature.	-40°C ~ +85°C

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