

Datasheet

Version 1.0

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History

Version	Date	Note
V0.1	2012-12-20	Hardware Version 0.3
V0.2	2014-12-12	Update relative parameters of power switching
V1.0	2016-12-12	Remove battery

Notes:

Hardware Version 0.3

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Z602A Appearance

Introduction

Netvox Z602A, a Warning Device, acts as a Router Device in ZigBee network. It is a siren used in emergency case and based on ZigBee HA standard. It can join the ZigBee network and register itself into the security center (IAS CIE device). Once it receives the alarm message, it will generate both the alert sound and the visible LED indicator. There are four different sounds: fire alert, emergency alert, burglar alert, and doorbell sounds.

Main Properties

- Fully IEEE 802.15.4 compliant
- Utilizes 2.4GHz ISM band; up to 16 channels
- Power supply: DC 12V
- Operating consumption: $\leq 190\text{mA}$
- Standby consumption: $\leq 38\text{mA}$
- Sound level: $\geq 80\text{db}$ (3-meter distance)
- 4 different sounds: fire alert, emergency alert, burglar alert, and doorbell sounds
- Up to 210 meters wireless transmission range in non-obstacle space
- Easy installation and configuration

Electric Parameters

Input power	DC +12V
Working power (max)	190mA(DC power)
Standby current (max)	22mA(DC power)
Sound level (at 3 M)	$\geq 80\text{dB}$

Frequency Parameters

Frequency range	2.4 — 2.4835 GHz
Channel numbers	16 ↑ (ISM 11 th ~26 th channel)
TX power	7dBm
Antenna type	Build-in antenna
Communication rang	210m(line-of-sight)
Rx sensitivity	-101dBm
Data transfer rate	250Kbps
Spread technique	DSSS (O-QPSK)

Physical Parameters

Dimension	Φ85mm * 52mm
Humidity	<95%RH
Working Temp.	-10°C ~ +50°C
Storage Temp.	-40°C ~ +85°C