Wireless Gas Detector

ZA02A

Datasheet

Wireless Gas Detector

Introduction

ZA02A is a high-reliability wireless controlled alarming device for smart home. It integrates the EM357 chip module. It is a 2.4GHz ISM band transceiver and is fully compatible with the ZigBee Pro protocol. It can communicate with ZigBee network router, the coordinator, and the terminal device.

ZA02A is a device for detecting harmful gases in the home environment. It is suitable for the detection of smoke concentration in air and emits an alarm sound.

It is fully compliant with the IEEE802.15.4 ZigBee HA protocol standard and is applicable to any Zigbee HA protocol network.

Appearance

Indicator

Test Key

Binding Key

Wireless Gas Detector

Application

- Smoke alarm products for homes, office, schools, hotels, etc.

Main Characteristic

- Comply with ZigBee Pro^{TM} protocol specification, and suitable for ZigBee intelligent network
- CR17450 3V lithium battery power supply
- 2.4GHz ISM frequency band, a total of 16 channels

Technical Specification

Electric

Power Input	CR17450 3V lithium battery
Standby current	1uA / 3VDC
Alarming current	580mA / 3VDC
Alarm dBm	85dBm at 3 meters
Alarm Concentration	0.65～15.5%FT

Frequency

Frequency Band	2.4 - 2.4835 GHz
Communication Channel	16
Data Transfer Rate	250 Kbps
Modulation Method	DSSS (O-QPSK)
TX Power	7 dBm
Receive Sensitivity	-101 dBm
Antenna Type	Metal Antenna
Communication Distance	210 meters (visible straight distance)

Wireless Gas Detector

Physical

Dimension	D: 106mm * H: 36mm
Ambient Humidity	< 90% RH (No condensation)
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-40°C ~ 85 °C

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Wireless Methane Gas Detector
ZA02B
Datasheet

Wireless Methane Gas Detector

Introduction

ZA02B is a high-reliability wireless controlled alarming device for smart home.
It integrates the ZigBee Soc chip module. It is a 2.4GHz ISM band transceiver and is
fully compatible with the ZigBee Pro protocol. It can communicate with ZigBee
network router, the coordinator, and the terminal device.

ZA02B is a device for detecting harmful gases in the home environment. It can detect
the concentration of natural gas, methane, etc. in the air and emit an alarm sound.

It is fully compliant with the IEEE802.15.4 ZigBee HA protocol standard and is
applicable to any Zigbee HA protocol network.

Appearance

Wireless Methane Gas Detector

Technical Specification

Electric

Power Input	100～240VAC，50/60Hz
Operating Current	12.5 mA / 220VAC / 0.95W (typical value)
Alarm Current	13 mA / 220VAC / 1W (typical value)
Alarm dB Value	85dB at 3meters
Gas Concentration Detection Range	1500～A7500 ppm

Frequency

Frequency Band	2.4-2.4835 GHz
Communication Channel	16
Data Transfer Rate	250Kbps
Modulation Method	DSSS（O-QPSK）
TX Power	7dBm
Receive Sensitivity	-101dBm
Antenna Type	Built-in antenna
Communication Distance	210 meters (depend on situation of specific environment)

Physical

Dimension	D: 106mm * H: 36mm
Ambient Humidity	30% ～ 95%RH (No condensation)
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C

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Wireless CO Detector

ZA02C

Datasheet

Wireless CO Detector

Introduction

ZA02C is a high-reliability wireless controlled alarming device for smart home. It integrates the ZigBee Soc chip module. It is a 2.4GHz ISM band transceiver and is fully compatible with the ZigBee Pro protocol. It can communicate with ZigBee network router, the coordinator, and the terminal device.

ZA02C is a device for detecting harmful gases in the home environment. It is suitable for CO detection. When the concentration exceeds the default value, it will emit an alarm sound.

It is fully compliant with the IEEE802.15.4 ZigBee HA protocol standard and is applicable to any Zigbee HA protocol network.

Appearance

Indicator

Test Key

Binding Key

Wireless CO Detector

Main Characteristic

- Comply with ZigBee Pro^{TM} protocol specification, and suitable for ZigBee intelligent network
- 2*AAA alkaline batteries power supply
- 2.4GHz ISM frequency band, a total of 16 channels

Application

- Carbon monoxide alarm products for homes, apartments, schools, hotels, etc.

Technical Specification

Electric

Power Input	2*AAA alkaline batteries
Standby Current	13uA/3VDC
Average Operating Current	68.5uA/3VDC
Smoke Alarm Current	100mA/3VDC
Alarm Sound Intensity	85dBm at a distance of 3m
CO Concentration Detection Range	0 ~ 1000ppm

Frequency

Frequency Band	2.4-2.4835 GHz
Communication Channel	16
Data Transfer Rate	250Kbps
Modulation Method	DSSS（O-QPSK）
TX Power	7dBm
Receive Sensitivity	-101dBm
Antenna Type	Metal antenna
Communication Distance	210meters (depend on situation of specific environment)

Physical

Dimension	D: 106mm * H: 36mm
Ambient Humidity	15% ~ 90%RH (No condensation)
Operating Temperature	-10℃~50℃
Storage Temperature	-40℃~85℃

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Wireless Liquefied Petroleum

Gas Detector

ZA02D

Datasheet

Wireless Liquefied Petroleum Gas Detector

Introduction

ZA02D is a high-reliability wireless controlled alarming device for smart home. It integrates the ZigBee Soc chip module. It is a 2.4GHz ISM band transceiver and is fully compatible with the ZigBee Pro protocol. It can communicate with ZigBee network router, the coordinator, and the terminal device.

ZA02D is a device for detecting harmful gases in the home environment. It can detect the gas such as liquefied petroleum gas and liquefied gas in the air and emit an alarm sound.

It is fully compliant with the IEEE802.15.4 ZigBee HA protocol standard and is applicable to any Zigbee HA protocol network.

Appearance

Indicator

Test Key

Binding Key

Wireless Liquefied Petroleum Gas Detector

Technical Specification

Electric

Power Input	100～240VAC，50/60Hz
Operating Current	13mA / 220VAC / 1.35W (typical value)
Alarm Current	15mA / 220VAC / 1.4W (typical value)
Gas Concentration Detection Range	3000～6000 ppm

Frequency

Frequency Band	2.4-2.4835 GHz
Communication Channel	16
Data Transfer Rate	250Kbps
Modulation Method	DSSS（O-QPSK）
TX Power	7dBm
Receive Sensitivity	-101dBm
Antenna Type	Built-in antenna
Communication Distance	210 meters (depend on situation of specific environment)

Physical

Dimension	D: 106mm * H:36mm
Ambient Humidity	30% ~ 95%RH (No condensation)
Operating Temperature	-10℃ ~50℃
Storage Temperature	-20℃ ~ 60℃

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Wireless Smoke Detector

ZA02E

Datasheet

Wireless Smoke Detector

Introduction

The ZA02E is a wireless control alarm device for smart homes and high reliability. It integrates the EMBER EM357 chip module and is a transceiver of the 2.4GHz ISM band. It is fully compatible with the ZigBee Pro protocol and can be used with ZigBee network routers. The coordinator communicates with the terminal device.

The ZA02E detects the concentration of smoke in the air and emits an alarm sound.It is fully compliant with the IEEE802.15.4 Zigbee HA protocol and is applicable to any Zigbee HA protocol network.

Appearance

Indicator

Test Key

Binding Key

Application Field

Smoke detection alarm products for families, apartments, schools, hotels, etc.

Main Features

● Compliance with ZigBee Pro^{TM} protocol specification for ZigBee intelligent

network

● Use 220VAC power supply

● Use the 2.4GHz ISM band, a total of 16 channels

Electric Parameters

Input power	100～240VAC 50/60Hz
Working Current	6mA/220VAC (typical value)
Alarm dBm	85dBm at 3 meters
Alarm Concentration	0.65～15.5%FT

Frequency Parameters

Frequency range	2.4 ～ 2.4835 GHz
Channel numbers	16
Data transfer rate	250 Kbps
Spread technique	DSSS（O-QPSK）
TX power	7dBm
Rx sensitivity	-101dBm
Antenna type	Metal Antenna
Communication rang	210m (depend on situation of specific environment)

Physical Parameters

Dimension	D:106mm * H:36mm
Working Temperature	-10°C ～ 50°C
Storage Temperature	-40°C ～ 85°C
Ambient Humidity	＜90%RH

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Wireless Smoke Detector

ZA02F

Datasheet

netvox

Wireless Smoke Detector

Introduction

The ZA02F is a wireless control alarm device for smart homes and high reliability. It integrates the EMBER EM357 chip module and is a transceiver of the 2.4 GHz ISM band. It is fully compatible with the ZigBee Pro protocol and can coordinate with routers of the ZigBee network. The device communicates with the terminal device.

The ZA02F detects the concentration of smoke in the air and emits an alarm tone. It fully complies with the IEEE802.15.4 Zigbee HA protocol and is applicable to any Zigbee HA protocol network.

Appearance

Indicator

Test Key

Binding Key

Wireless Smoke Detector

Application Field

Smoke detection alarm products for families, apartments, schools, hotels, etc.

Main Features

● Compliance with ZigBee Pro^{TM} protocol specification for ZigBee intelligent

  network

● Use 12VDC power supply

● Use the 2.4GHz ISM band, a total of 16 channels

Electric Parameters

Input power	12VDC / 1A
Working Current	15mA/ 12VDC (typical value)
Alarm dBm	85dBm at 3 meters
Alarm Concentration	0.65～15.5%FT

Frequency Parameters

Frequency range	2.4 ～ 2.4835 GHz
Channel numbers	16
Data transfer rate	250 Kbps
Spread technique	DSSS（O-QPSK）
TX power	7dBm
Rx sensitivity	-101dBm
Antenna type	Metal Antenna
Communication rang	210m (depend on situation of specific environment)

Wireless Smoke Detector

Physical Parameters

Dimension	D:106mm * H:36mm
Working Temperature	-10°C ～ 50°C
Storage Temperature	-40°C ～ 85°C
Ambient Humidity	＜90%RH

Contact

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