# Product Brief ZBALRM—Model #1021A

# ZBALRM Wireless Alarm

This wireless alarm can generate up to 4 different alert sounds and visible LED indicators: fire alert, emergency alert, burglar alert, and doorbell.  Use it in conjunction with any zigbee® CIE Device to create a sensor/alarm relationship.  It acts as a network router, strengthening signals and coverage.

The device can be mounted on a wall or used as a portable siren anywhere in the range of a home automation network.  Uses 12V DC as its main power supply with an option for 3 AAA rechargeable batteries as backup.

## Benefits

- Compatible with zigbee®, a wireless RF protocol that is rapidly becoming the standard for energy management
- Can be used as a siren for CIE system
- Functions as a doorbell to be used in conjunction with our ZBALRMB
- Enables appliances to become part of the smart ecosystems of tomorrow
- Routes messages for increased network strength and reliability
- Small size and wireless operation means easy retrofit ability and low installation cost
- Tested to FCC standards

## SPECIFICATIONS:

| Electrical & Environmental | |
|---|---|
| Power Supply | Main: 12V DC 3 AAA rechargeable batteries |
| Operating Consumption: | 12V DC: 190 mA AAA Batteries: 175 mA |
| Temperature | -10—50 degrees Centigrade |
| Humidity: | 95% RH |
| Wireless Distance | 200 m L.O.S. |
| **Mechanical** | |
| Size: | 85mm(D)× 52mm(H) |
| Weight: | 4.7 oz. |
| Mounting: | Mounting hole on back of device |
| **Operation** | |
| zigbee function: | IAS Warning Device |

SMARTENIT®
*Where the smart things are*sm

# zigbee Profile:

ZBALRM- uses the Home Automation profile, enabling inter-operability with HA certified devices from other manufacturers.

Details for the HA clusters implemented can be found below:

Commands to these clusters follow the specifications of the ZCL document.

**HA Profile (0x0104)**
**zigbee Device ID: EP 1 - IAS Warning Device (0x0403)**

| Cluster ID: | End Point | Cluster | Client/ Server | Description |
|---|---|---|---|---|
| 0x0000 | 1 | Basic | Server | Attributes for determining basic information and setting and enabling device |
| 0x0001 | 1 | Power Configuration | Server | Attributes for determining more detailed information about a device's power source(s), and for configuring under/over voltage alarms |
| 0x0003 | 1 | Identify | Server | Attributes and commands for putting a device into Identification mode (e.g. flashing a light) |
| 0x0015 | 1 | Commissioning | Server | Attributes and commands pertaining to the commissioning and management of zigbee devices operating in a network. |
| 0x0500 | 1 | IAS Zone | Server | Attributes to interface to the functionality of an IAS security zone device. |
| 0x0501 | 1 | IAS ACE | Client | Provides a control interface to a CIE (Control and Indicating Equipment) device in an IAS (Intruder Alarm System) |
| 0x0502 | 1 | IAS WD | Server | Provides an interface to an IAS Warning Device, allowing warning indications triggered by alarm conditions to be sent to it |
| 0x0B05 | 1 | Diagnostics | Server | Allows the operation of the zigbee PRO stack to be followed over time. It provides a tool for monitoring the performance of individual network nodes, including the routing of packets through these nodes. |

SMARTENIT®
*Where the smart things are*sm