

Product Brief - ZBWDS - Model #1017A

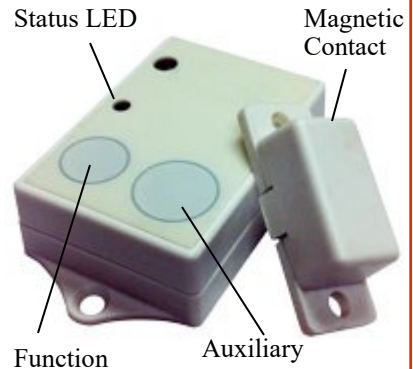


Wireless Window / Door Contact Sensor

This small wireless contact sensor reports its status when the magnetic contacts are opened or closed. It reports to a ZigBee CIE device as part of a security network.

This sensor is ideal for sending messages to a siren device to trigger an audible or silent alarm when any type of access area is breached.

The device easily mounts on window frames, door frames, drawers, etc. and communicates to other ZigBee routers anywhere within range of the home automation network. When not in use, the device goes to sleep to conserve battery life.



Benefits

- Uses ZigBee® Pro, a wireless RF protocol that is rapidly becoming the standard for automation and energy management. Enables appliances to become part of the smart ecosystems of tomorrow.
- Small size and wireless operation means easy retrofit ability and low installation cost.
- Battery lasts about 1000 days.
- Tested to FCC standards.
- ZigBee Home Automation certified.

SPECIFICATIONS:

Electrical & Environmental		
Operating Voltage:	One CR2450A button cell battery 3V	
Communication Range:	Up to 165 ft. indoors	
Reed Switch Trigger:	@close : > 0.8" @open : < 0.6"	
Temperature:	-10~50° degrees Centigrade	
Humidity:	95% RH	
Mechanical		
Size:	Body Magnet	2.2" L X 1.18" W X 0.55" H 1.28" L X 0.47" W X 0.42" H
Weight:	0.8Oz.	
Mounting:	Screw mount to surface	
Operation		
ZigBee function:	ZigBee Pro End device	
ZigBee Type:	IAS Zone	

ZigBee Profile:

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

The Smartenit Manufacturer ID issued by the ZigBee Alliance is 0x1075

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: EP1 - On/Off Switch (0x0000), EP 2 - IAS Zone (0x0402)				
Cluster ID:	End Point	Cluster	Client/ Server	Description
0x0000	1 & 2	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 & 2	Identify	Server	Attributes and commands for putting a device into Identification mode (e.g. flashing a light)
0x0006	1	On/Off	Client	Attributes and commands for switching device. Commands: 0x00—Off 0x01—On 0x02—Toggle
0x0007	1	On/Off Switch Configuration	Server	Attributes and commands for configuring On/Off switching devices
0x0500	2	IAS Zone	Server	Attributes to interface to the functionality of an IAS security zone device.