Product Brief ZBWS3B—Model #4037A

ZBWS3B - Portable/Mountable Switch Controllers

This versatile switch is available in a single, dual or triple configuration and operates from two AAA alkaline cells for up to 2 years. Use it to control any ZigBee® device capable of on/off control such as the Smartenit or other load controllers.

The device can be mounted on a wall or used as a portable remote controller anywhere in the range of the home automation network. When not in use, the device goes to sleep to conserve battery life until any of its switches is pressed. Each button can be programmed (using a ZigBee unit capable of switch configuration) to be on/off or toggle.

Benefits

- Remotely controls any ZigBee® device that uses the on/off cluster. This includes lights, pumps, pool heaters, electric vehicle chargers, air conditioners, etc.
- Can be bound easily to control devices even without the use of a network controller.
- Uses ZigBee, a wireless RF protocol that is rapidly becoming the standard for 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. Use with ZigBee appliances to eliminate copper conduits otherwise needed for switch wiring.
- Tested to FCC standards.

SPECIFICATIONS:

Electrical & Environmental	
Operating Voltage:	Two AAA batteries (1.5V)
Communication Range:	Up to 50 ft. indoors, 200 ft LOS.
Temperature:	-10 - 55 degrees Centigrade
Humidity:	95% RH
Mechanical	
Size:	3.25" L X 3.25" W X 0.5" H
Weight:	4Oz.
Mounting:	Can be mounted at user's convenience through provided surface adhesive mounts
Operation	
ZigBee function:	ZigBee Pro End device

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ZigBee Profile:

ZBWS3B 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: 0x0000 (On/Off Switch)

End Point	Cluster ID:	Cluster	Client/ Server	Description
1,2,3	0x0000	Basic	Server	Attributes for determining basic information and setting and enabling device
1	0x0001	Power Configuration	Server	Attributes for determining more detailed information about a device's power source(s), and for configuring under/over voltage alarms
1,2,3	0x0003	Identify	Server	Attributes and commands for putting a device into Identification mode (e.g. flashing a light)
1,2,3	0x0006	On/Off	Client	Attributes and commands for switching device. Command: 0x02—Toggle
1,2,3	0x0007	Switch Configuration	Server	Attributes and commands for configuring On/Off switching devices
1	0x0015	Commissioning	Server	Attributes and commands pertaining to the commissioning and management of ZigBee devices operating in a network.
1	0x0020	Poll Control	Server	Provides an interface for remotely controlling the rate at which a ZigBee End Device polls its parent for data.
1,2,3	0x0B05	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.

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