

# ZigBee Light & Light Dimmer Switch Series

*Living Smart with Easy Lighting Control*

- Automatic and remote control of lights & dimmers
- Two-way or three-way control
- Grounding and Non-Grounding Light Switch versions
- Single or Double Light & Dimmer Light switches
- European-style and American-style rocker paddle switches or touch pad control switches
- Compatible with other manufacturers' ZigBee systems

Our ZigBee Light and Dimmer Light Switch Series ushers in wireless lighting control that plays a key role in energy management, and enhancing the convenience, comfort, safety of smart homes and businesses. The Light Switch series replaces any standard light switch, giving the users the freedom to use whatever light bulb they require, or if the fixture requires bulbs of a particular size, shape or style that are not compatible with smart bulbs.

Adopting the ZigBee Pro HA standard, this light and light dimmer switches are compatible with other manufacturers' ZigBee panels and be can flexibly integrated into new or existing ZigBee home automation or security systems, allowing for remote management, and customized schedules or scenes.

Users can schedule tasks as simple such as turning lights on after dark or before their kids come home from school, or turning specific lights off every day at a specific time to reduce power consumption. Enjoy complete control of your lighting whether you are at home or on the go. Creating a green home has never been easier!



American-Style  
Rocker Switch



European-Style  
Rocker Switch



American-Style  
Touch Switch



European-Style  
Touch Switch

# ZigBee Light Switch Series

## Features and Specifications

### LS-1A/E-G-ZBS

#### Grounding Light Switch Series



LS-1A-G-ZBS



LS-1E-G-ZBSW

	LS-1A-G-ZBS (Americas)	LS-1E-G-ZBS (Europe)
Communications Protocol	ZigBee Pro HA 1.2	
Frequency	2.4GHz	
Power	110V ~ 230V, 50/60Hz	
Maximum Load	5A	
Load Types	Supports Incandescent, CFL, Tungsten, LED lighting devices	
Electrical Requirements	Single-Pole or 3-way switch; Connects to Neutral, Load, Line, and Traveler wires	
User Interface Type	Rocker Paddle	
Operating Temperature	-10°C to 45°C (14°F to 113°F)	
Operating Humidity	Up to 85% non-condensing	
Dimensions	120mm x 70mm x 50mm	84mm x 84mm x 47.35mm

### LS-1A/E-B-ZBS

#### Non-Grounding Light Switch Series



LS-1A-B-ZBS



LS-1E-B-ZBS

	LS-1A-B-ZBS (Americas)	LS-1E-B-ZBS (Europe)
Communications Protocol	ZigBee Pro HA 1.2	
Frequency	2.4GHz	
Backup Battery	3.6V 200mAh Rechargeable Battery x1	
Battery Backup Time	6 days	
Power	110V ~ 230V, 50/60Hz	
Maximum Load	5A	
Load Types	Supports Incandescent lighting devices	
Electrical Requirements	Single-Pole or 3-way switch; Connects Traveler, Load, and Line wires	Single-Pole switch; Connects Load, and Line wires
User Interface Type	Rocker Paddle	
Operating Temperature	-10°F to 45°C (14°F to 113°F)	
Operating Humidity	Up to 85% non-condensing	
Dimensions	120mm x 70mm x 50mm	84mm x 84mm x 47.35mm

### LS-1A/E-3W-ZBS

#### Three-Way Light Switch Series (One Main Switch and One Auxiliary Switch)



LS-1A-3W-ZBS



LS-1E-3W-ZBS



	LS-1A-3W-ZBS(Americas)	LS-1E-3W-ZBS(Europe)
Communications Protocol	ZigBee Pro Home Automation 1.2	
Frequency	2.4 GHz	
Power	110V ~ 230V, 50/60Hz	
Maximum Load	5A	
Load Type	Supports Incandescent lighting devices	
Electrical Requirements	3-way switch; Connects to Neutral, Traveler, Load, and Line wires (Master Switch); Connects to Traveler and Line wires (Slave Switch)	
User Interface Type	Rocker Paddle	
Operating Temperature	- 10°C to 45°C (14°F to 113°F)	
Operating Humidity	Up to 85% non-condensing	
Dimensions	120mm x 70mm x 50mm	84mm x 84mm x 47.35mm

# ZigBee Double Light Switch Series

## Features and Specifications



### LS-2A/E-G-ZBS

Double Light Switch Touch Pad Control -- Grounding Light Switch Series

	LS-2A -G-ZBS(Americas)	LS-2E- G-ZBS(Europe)
Communications Protocol	ZigBee Pro HA 1.2	
Frequency	2.4GHz	
Power	110V ~ 230V, 50/60Hz	
Maximum Load	5A	
Load Types	Supports Incandescent, CFL, Tungsten, LED lighting devices	
Electrical Requirements	Double - Pole switch; Connects to Neutral, Loads and Line wires	
User Interface Type	Touch Pad	
Operating Temperature	-10°C to 45°C (14°F to 113°F)	
Operating Humidity	Up to 85% non-condensing	
Dimensions	120mm x 70mm x 50mm	84mm x 84mm x 47.35mm



### LS-2A/E-B-ZBS

Double Light Switch Touch Pad Control -- Non-Grounding Light Switch Series

	LS-2A-B-ZBS (Americas)	LS-2E-B-ZBS (Europe)
Communications Protocol	ZigBee Pro HA 1.2	
Frequency	2.4GHz	
Backup Battery	3.6V 200mAh Rechargeable Battery pack	
Battery Backup Time	6 days	
Power	110V ~ 230V, 50/60Hz	
Maximum Load	5A	
Load Type	Supports Incandescent lighting devices	
Electrical Requirements	Double-Pole Switch; Connects to Neutral, Loads, and Line wires	
User Interface Type	Touch Pad	
Operating Temperature	-10°C to 45°C (14°F to 113°F)	
Operating Humidity	Up to 85% non-condensing	
Dimensions	120mm x 70mm x 50mm	84mm x 84mm x 47.35mm

# ZigBee Light Dimmer Switch Series

## Features and Specifications



### LSD-1A/E-ZBS

Light Dimmer Switch Touch Pad Control -- Grounding Light Switch Series

	LSD -1A-ZBS (America)	LSD -1E -ZBS (Europe)
Communications Protocol	ZigBee Pro HA 1.2	
Frequency	2.4GHz	
Power	110V ~ 230V, 50/60Hz	
Maximum Load	2.5A	
Load Type	Supports Incandescent and Dimmable LED lighting devices	
Electrical Requirements	Single-Pole switch; Connects to Neutral, Load, and Line wires	
User Interface Type	Touch Pad	
Operating Temperature	-10°C to 45°C (14°F to 113°F)	
Operating Humidity	Up to 85% non - condensing	
Dimensions	120mm x 70mm x 50mm	84mm x 84mm x 47.35mm

### LSD-2E-ZBS

Double Light Dimmer Switch Touch Pad Control -- Grounding Light Switch Series



	LSD -2E-ZBS (Europe)
Communications Protocol	ZigBee Pro HA 1.2
Frequency	2.4G Hz
Power	230V/60Hz
Maximum Load	2.5A
Load Type	Supports Incandescent and Dimmable LED lighting devices
Electrical Requirements	Single - Pole switch; Connects to Neutral, Loads, and Line wires
User Interface Type	Touch Pad
Operating Temperature	-10°C to 45 °C (14°F to 113°F)
Operating Humidity	Up to 85% non - condensing
Dimensions	84mm x 84mm x 47.35mm

# ZigBee Light & Light Dimmer Switch Series

## Ordering Information

### *North American-Style Light & Light Dimmer Switch Series*

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<b>LS-1A-G-ZBS</b>	Grounding light switch
<b>LS-1A-G-ZBS (OTA)</b>	Grounding light switch with Over-the-Air (OTA) firmware update capability
<b>LS-1A-B-ZBS</b>	Non-grounding light switch
<b>LS-1A-3W-ZBS</b>	Three-way light switches consisting of a main switch and an auxiliary switch
<b>LS-2A-G-ZBS</b>	Grounding double light switch touch pad control
<b>LS-2A-B-ZBS</b>	Non-grounding double light switch touch pad control
<b>LSD-1A-ZBS</b>	Grounding light dimmer switch touch pad control

### *European-Style Light & Light Dimmer Switch Series*

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<b>LS-1E-G-ZBS</b>	Grounding light switch
<b>LS-1E-B-ZBS</b>	Non-grounding light switch
<b>LS-1E-3W-ZBS</b>	Three-way light switches consisting of a main switch and an auxiliary switch
<b>LS-2E-G-ZBS</b>	Grounding double light switch touch pad control
<b>LS-2E-B-ZBS</b>	Non-grounding double light switch touch pad control
<b>LSD-1E-ZBS</b>	Grounding light dimmer switch touch pad control
<b>LSD-2E-ZBS</b>	Grounding double light dimmer switch touch pad control