

PROJECT

TYPE

CATALOG #



The Bluezone Bluetooth Dimmer Wall Switch is a direct replacement for your existing wall switch, delivering enhanced lighting control with a single sliding block for quick, intuitive brightness adjustment of your connected Bluezone devices.



OVERVIEW

- The Bluezone switch provides the basic control functions of a standard wall switch with preset dimming capabilities.
- The Bluezone switch gives you the flexibility to predefine & change light levels that can be accessed via sliding blocks.

CODE COMPLIANCE

- cULus listed.
- Complies with FCC.

WARRANTY

- 2 year warranty.

FEATURES AND BENEFITS

- **Localized Microprocessor Control:** The Bluezone switch is a fully-fledged computing and communications device. The control communicates with Bluezone Smart Sensors and Controllers wirelessly, enabling the sensor to make local decisions regardless of the icloud network status.
- **Programmable:** via the sliding blocks to change the brightness.
- **Simple and Low-cost Installation:** The Bluezone switch require external power. The Bluezone switch can be installed directly over existing junction boxes.
- **Standards -Based Networking and Security:** The 802.15.4 compatible radio transmits messages in the 2.4GHz band while avoiding interference with any Wi-Fi or other networks. All messages are AES-128 encrypted to provide network security.
- **Minimal Air-time:** The Bluezone Switch transmits its messages in short bursts to Bluezone sensors, utilizing very little of the channel capacity and minimizing collisions with other network traffic.

ORDERING INFORMATION

Part Number	Description
BC-USDM101-5-GE	Bluetooth Wireless Dimmer Wall Switch, White

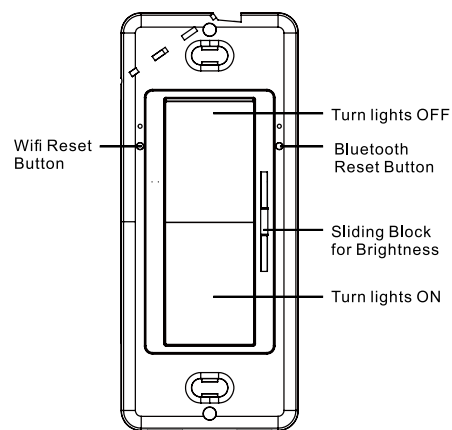
TECHNICAL DATA

Parameter	Specification
Action	Bluetooth Dimmer Wall Switch
Actuations	Rated for 50,000 actuations
Power	120-277VAC, 60Hz
Transmission Power	<0.2mW
Max Fixtures Per Control	100
Max Bluetooth Range	120ft (36m)
Interoperability	Bluezone Sensors and Gateways
Operating Temp	-32°F~122°F / 0°C ~ 50°C
Warranty	5 years
IP Rating	IP20

Parameter	Specification
Enclosure	Polycarbonate
Weight	4.69oz (133g)
Color / Finish	white
Wireless Standards	Bluetooth SIG Mesh / BLE 5.0
Radio Frequency	2400-2483.5 MHz
Wireless Range	60 ft. (18 m) radius open range
Mobile App	Bluezone App (IOS /Android)
Encryption	AES-128 bit
Gateway Required	Optional

COMPLIANCE & CERTIFICATIONS

Item	Status / Reference
Safety Listing	N/A
DLC NLC Qualified	N-TDEGAJ
FCC	N/A
Bluetooth Qualification (BQB)	Declaration ID: D066960
Cybersecurity	UL 1376 -(specify rating: Gold)
Encryption	AES 128-bit
RoHS	Compliant - Mercury and UV free
California Compliance	N/A
Trade Agreements Act (TAA)	China Non-TAA
IP Rating	IP20



L (in)	W (in)	H (in)
4.13	1.75	1.8