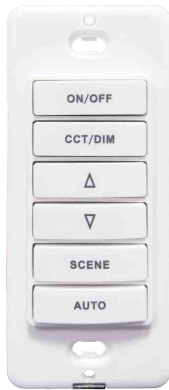# GEBC

120V Wireless 6-Button Dimmer Wall Switch

GEBC Bluetooth®

OVERVIEW

The white 6-Button Keypad Dimmer is designed to replace your existing wall switch and add enhanced lighting control. This dimmer has 6 front-panel buttons for direct control of your GEBC connected devices. When paired with GEBC control devices, you can download the free GEBC app to control the keypad Dimmer from devices such as smartphones and tablets.

FEATURES & SPECIFICATIONS

OVERVIEW

The GEBC switch provides the basic control functions of a standard wall switch with preset dimming capabilities. The GEBC switch gives you the flexibility to predefine&change light colors (CCT) and light levels that can be accessed at the push of a button.

FEATURES AND BENEFITS

Localized Microprocessor Control: Each The GEBC switch is a fully-fledged computing and communications device. The control communicates with GEBC Smart Sensors and Controllers wirelessly, enabling the sensor to make local decisions regardless of the icloud network status.

Programmable:

Predefine & Change the CCT and brightness by pushing the button for switching

Code Compliant:

For regions where building codes require that a manual-on/manual-off,DIM up(colors up).DIM down(colors down) switch be located in any enclosed space, The GEBC switch fulfills this requirement.

Simple and Low-cost Installation:

The GEBC switch require external power. The GEBC switch can be installed directly over existing junction boxes.

Installation

Max Bluetooth® range is 164ft(50m) line of sight and highly dependent on the integration of fixtures, surrounding environment. It is recommended to conduct testing for range accuracy.

Operating temperature range of -20°C to +70°C.

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 GEBC Switch transmits its messages in short bursts to GEBC sensors, utilizing very little of the channel capacity and minimizing collisions with other network traffic.
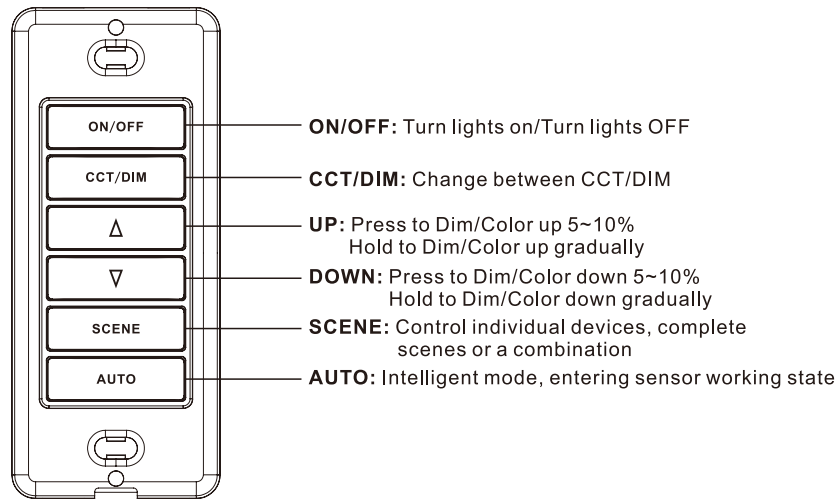
Listings:
• FCC

• ETL

• DLC

• Bluetooth®

• Declaration ID: D062134

ORDERING GUIDE

Description	Part Number
120VAC Wireless 6-Button Dimmer Wall Switch	BC-USDM101-4-GE

PRODUCT OUTLINE

ON/OFF: Turn lights on/Turn lights OFF

CCT/DIM: Change between CCT/DIM

UP: Press to Dim/Color up 5~10%
Hold to Dim/Color up gradually

DOWN: Press to Dim/Color down 5~10%
Hold to Dim/Color down gradually

SCENE: Control individual devices, complete scenes or a combination

AUTO: Intelligent mode, entering sensor working state

Step-by-step guide to install a GEBC switch

Step 1: Find a good spot for your Switch

Step 1: Find a suitable position for your switch. You need a junction box, the switch requires 120VAC power, maybe cover a traditional light switch. The best place to install a GEBC switch is near an entrance or seating area, such as around a living room sofa or dining table.

Step 2: Mount it with screws

Disconnect the power, connect the switch to the 120VAC wire,then secure the GEBC switch to the existing junction box (with screws).

Step 3: Factory reset the switch and Pair your Dimmer switch with your lights

The Bluetooth device can be restored to factory settings by simultaneously holding down the "On/Off" key and the " △ " key for 3 seconds. During this process, the green indicator will blink three times at an interval of 0.5 second.
After the device restarts, the indicator will blink at a slow rate (once every 1 second) for 60 seconds until the device enters network distribution mode. If no operation is performed, the device will transition into a low-power state. Once connected to the network, the device will enter a low-power working state.

Step 4: The distribution network of the gateway

Press the "ON/OFF" and "AUTO" buttons at the same time for 3 seconds. The green indicator blinks once. The serial port sends the network distribution command FB 00 14 00 EF 55 to the gateway, and the gateway device is in the state to be distributed.

TECHNICAL SPECIFICATIONS

Action: Six push buttons;Up to six software-configurable scenes
Actuations: Rated for 50,000 actuations
Power: 120VAC,60Hz
Max Fixtures Per Control: 100
Interoperability: GEBC Sensors and Gateways
Operating Temp.: 32 to 122 F/0° to 50°C
Enclosure: Recyclable PC
Wireless Standards: IEEE 802.15.4
Radio Frequency: 2400-2483.5 MHz
Wireless Range: 60 ft. (18 m) radius open range
Encryption: AES-128

COMPLIANCE

Europe   CE RoHS REACH

United States   FC UL LISTED

Canada   c UL LISTED

WARRANTY: 5 years