Welcome

Lightcloud®

Wireless Switch

ZDIM/LCB

ZDIM/LCBS

WE'RE HERE TO HELP:

1(844) LIGHTCLOUD

1(844) 544-4825

Hello

The Lightcloud Blue Wireless Switch can be used to control hundreds of Lightcloud Blue-enabled lights—no Gateway or Hub required, and no need to run any additional wires. All communication for on/off, dimming, and occupancy sensing happens wirelessly via Bluetooth Mesh.

Product Features & Specifications

- Voltage: 120-277V
- Color: Matte White
- Warranty:
  3-year, limited warranty
- Control hundreds of Lightcloud Blue-enabled lights
- Power monitoring *(neutral wire is required)*
- Neutral optional for retrofit applications
- High/Low end adjustment

Safety Information

- To avoid risk of fire and electrical shock, products shall be installed in accordance with electrical code and regulations.
- If you're not clear about any content of the instructions, please consult a licensed electrician.
- To avoid the risk of overheating and possible damage to the equipment, do not use the product to control a receptacle, motor-operated appliance or a transformer-supplied appliance.
- Purpose of control: Operating Control, Electronic Controller Switch
- Construction of control: Independently Mounted for Flush Mounting
- Type of Action: Type 1 Action
- Pollution Degree: 2
- Rated Impulse Voltage: 4000 V
- Risk of Electric Shock - Disconnect power supply before servicing.
- Terminal screw torque: 0.55N.m.
- The best installation height of ZDIM/LCBS: 4ft.

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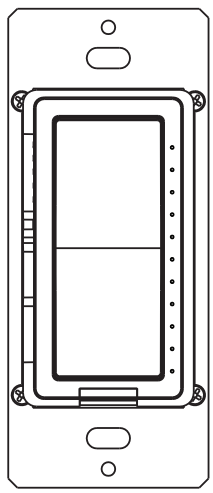
support@lightcloud.com

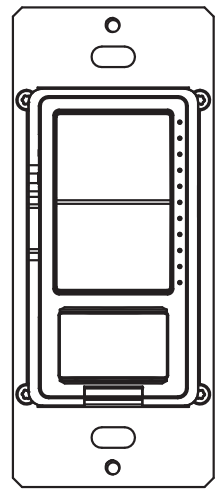
Parts Included and Tools Needed

Parts Included

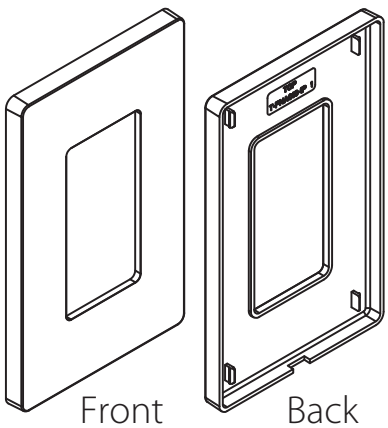


Wireless Switch
ZDIM/LCB *(1 pcs)*

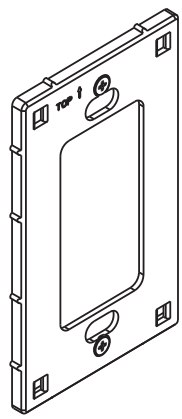
OR



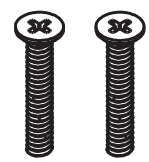
Wireless Switch with Sensor
ZDIM/LCBS *(1 pcs)*



Face Plate
(1 pcs)



Cover Plate
(1 pcs)

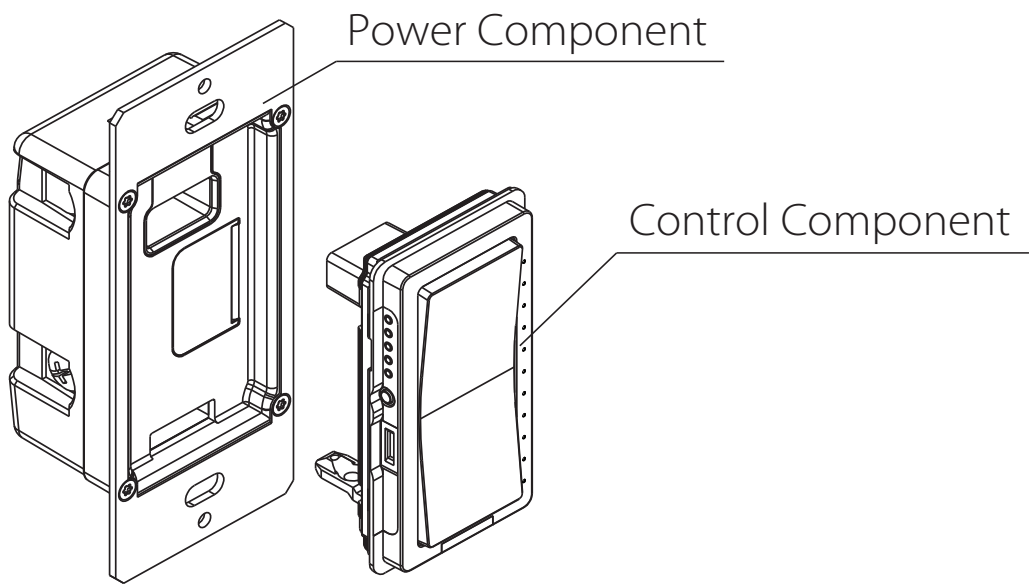


Mounting
Screws *(2 pcs)*

Basic Operation

① Replaceable Control Component

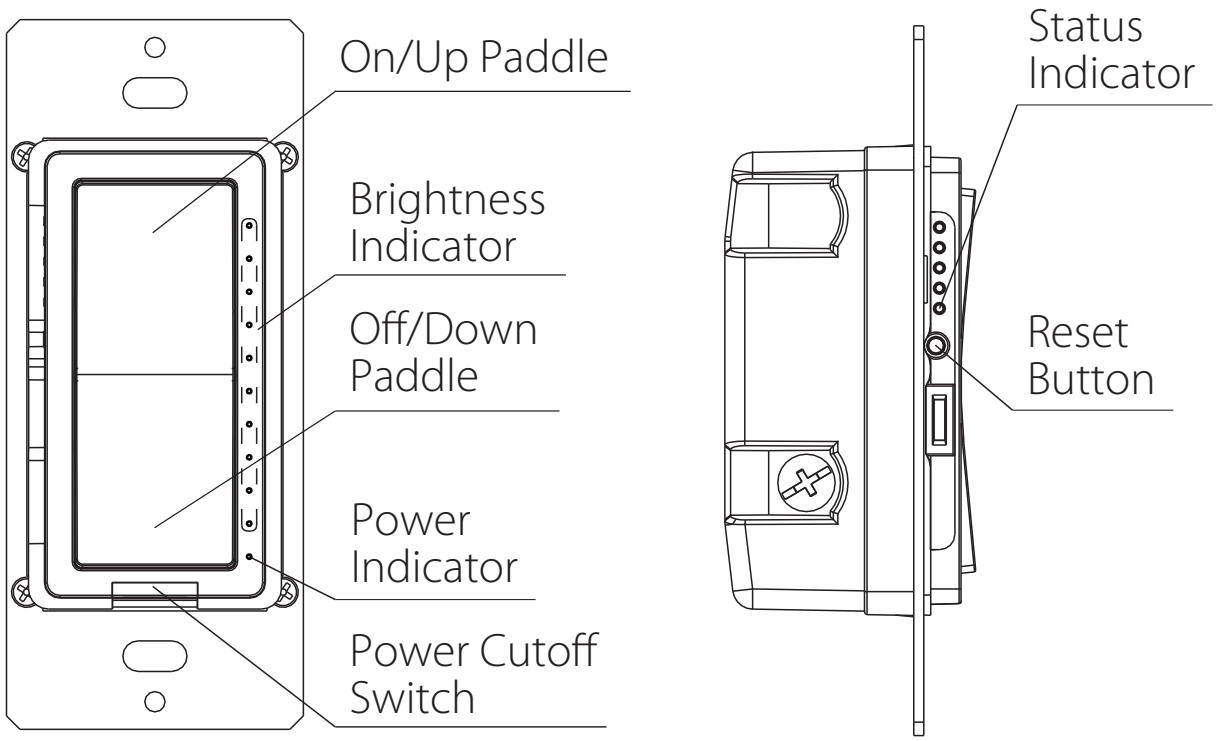
- The Power component is the base of the unit that is hardwired into a standard wall box.
- The Control Component can detach from the Power component by pulling the Power Cutoff Switch until the stops.



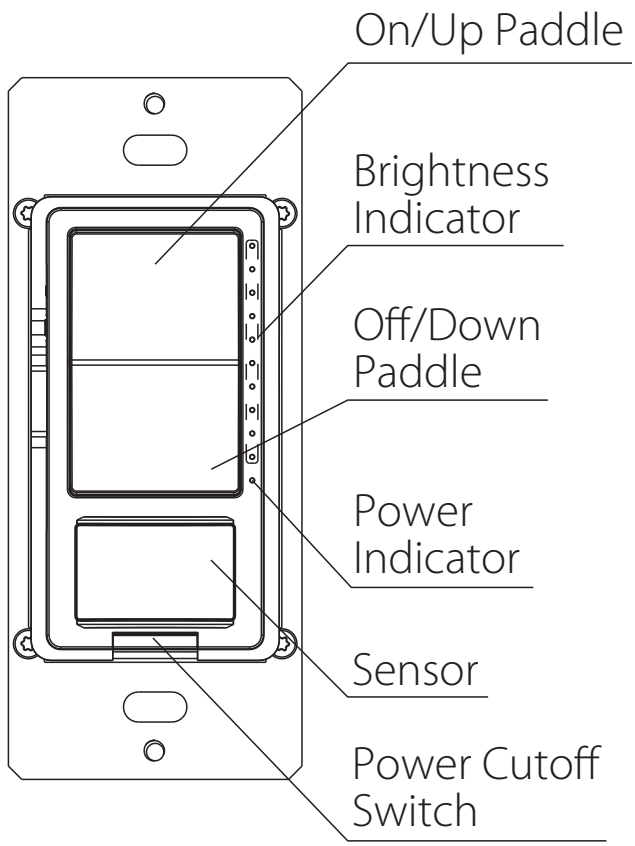
Basic Operation *(cont'd)*

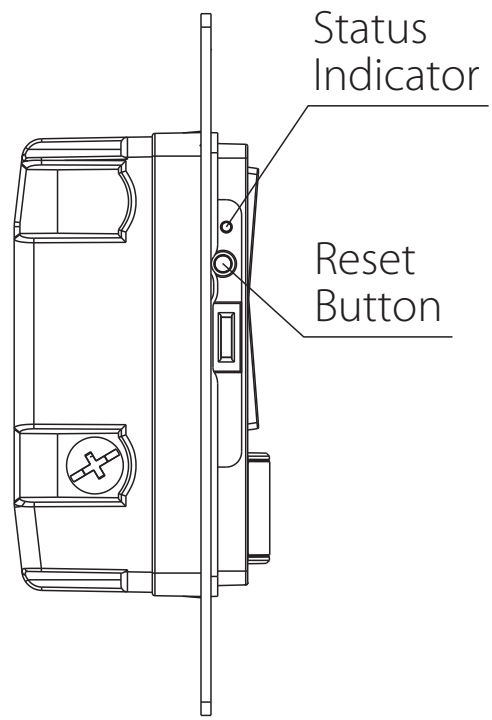
② Functional Parts

ZDIM/LCB:



ZDIM/LCBS:


On/Up Paddle
Brightness Indicator
Off/Down Paddle
Power Indicator
Sensor
Power Cutoff Switch


Status Indicator
Reset Button

Basic Operation *(cont'd)*

2a On/Up Paddle

- Turn lights ON: Single press
- Increase brightness: Press and hold, release at desired setting
- Increase to maximum brightness level: Double press

2b Off/Down Paddle

- Turn lights OFF: Single press
- Decrease brightness: Press and hold, release at desired setting
- Decrease to minimum brightness level: Double press

2c Power Indicator

- Confirms the wireless switch is receiving power

2d Power Cutoff Switch

- Pull switch until it stops to cut power to this wireless switch and to the load or to detach the Control Component

2e Status Indicator

- Represents the connectivity to the Lightcloud Blue network *(Green, paired to network. Red, ready to pair to network.)*

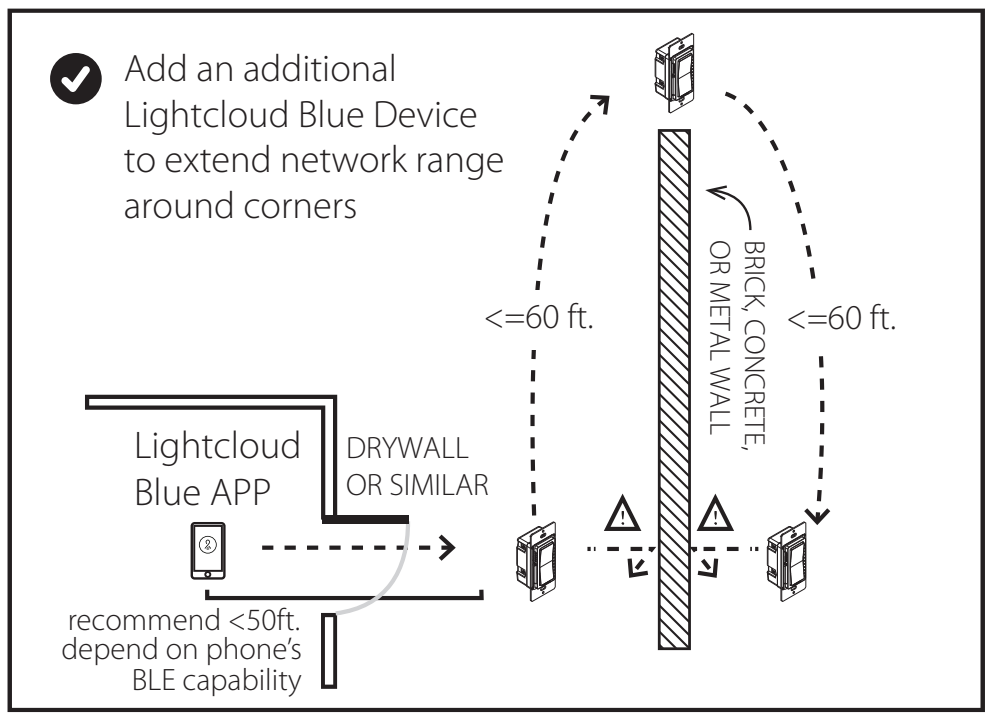
2f Reset Button

- Press and hold for 10 seconds

Installing your Lightcloud Blue Device

1 Find a Suitable Location

- Lightcloud Blue devices should be positioned within 60 ft. of each other.
- Building materials such as brick, concrete and steel construction may require additional Lightcloud Blue devices to extend around an obstruction.



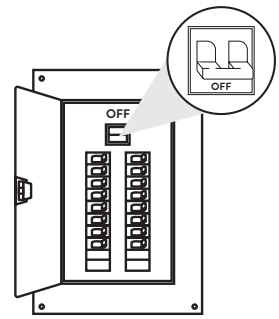
Installing your Lightcloud Blue Device

(cont'd)

2 Turn off Power

⚠ WARNING

- Place the wall switch in the off position.
- Turn off the main power at the breaker panel or remove the fuse from the fuse box.



3 Remove Existing Switch

- Remove existing wall panel and switch mounting screws.
- Carefully pull switch from wall box, identify and remove the wires attached to the switch, then remove the switch.

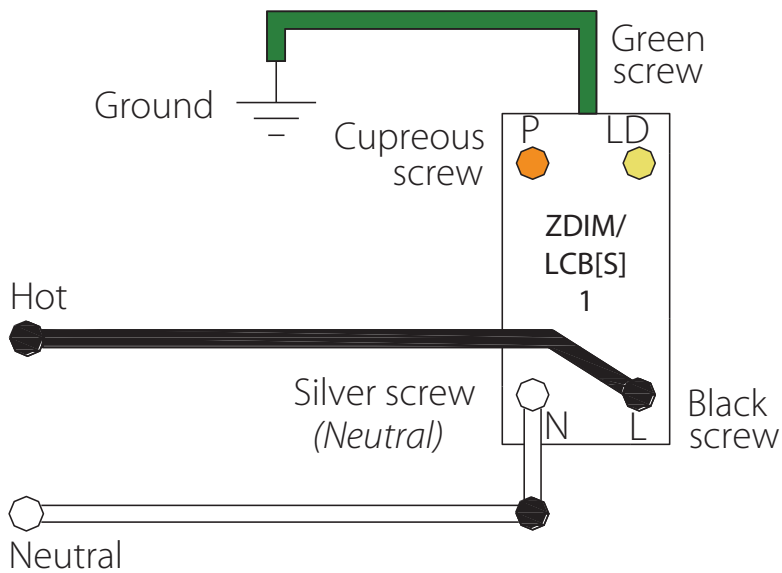
4 Single Pole Installation

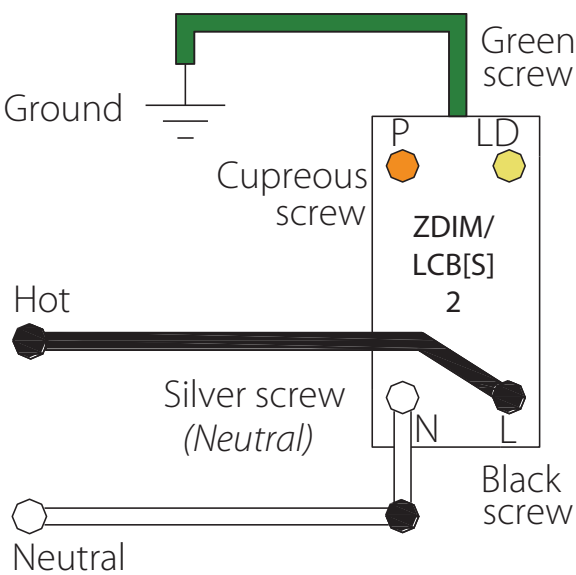
Control Lightcloud Blue enabled products.
Remotely run wire for Hot, Neutral, and Ground.
See Wiring Scheme 1.
(you cannot attach the load to a Lightcloud Blue-enabled fixture)

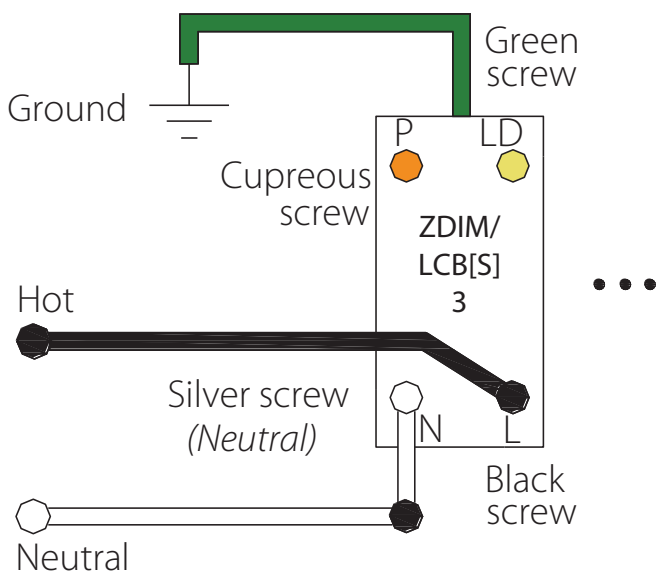
Installing your Lightcloud Blue Device

(cont'd)

5b Group Wireless application *(1 Area on the App with multiple ZDIM/LCB[S] to control one load)*





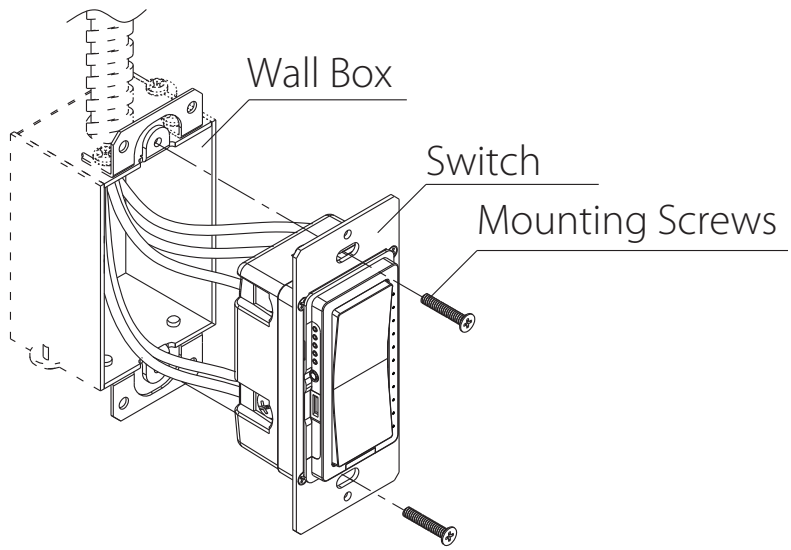


Installing your Lightcloud Blue Device

(cont'd)

6 Install and Fix the Wireless Switch

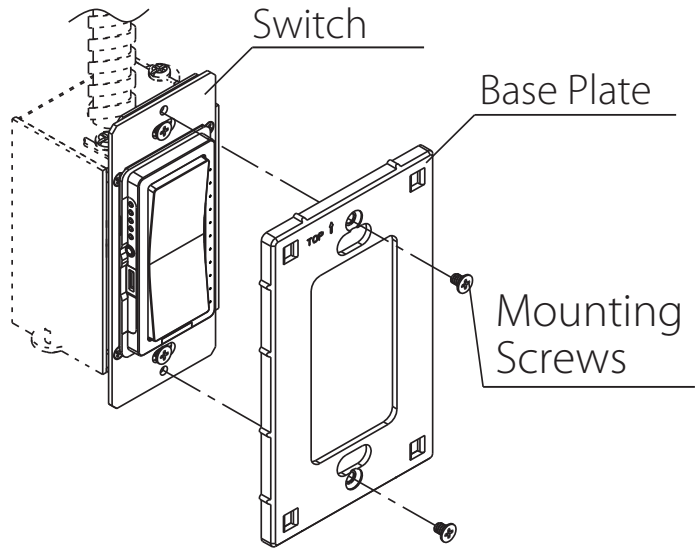
- Ensure the Control Component is attached to the Power Component. Carefully position all wires inside the wall box, leaving enough room to insert the Wireless Switch. Secure the Wireless Switch to the Wall Box with the mounting screws provided.



7 Install the Wall Plate

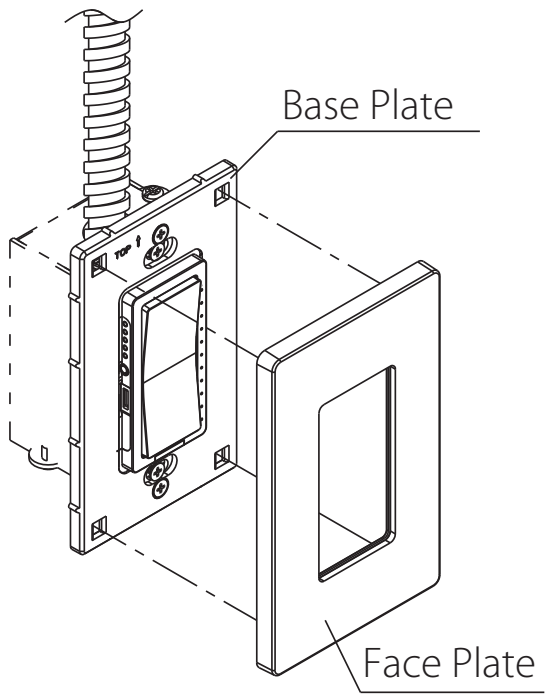
7a Separate Plate

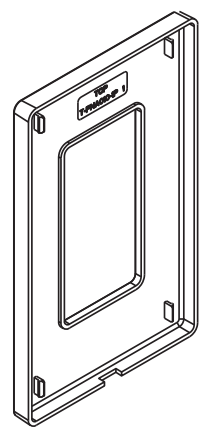
- Place the base plate over the installed switch and secure it using provided mounting screws.



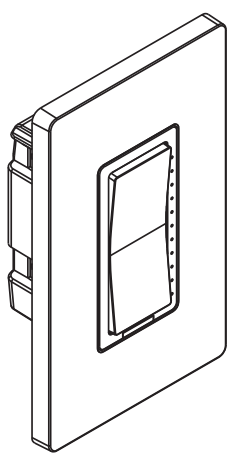
Installing your Lightcloud Blue Device
(cont'd)

7b • Connect the face plate to the installed back plate and gently push it until it clicks into place. Be sure to align the divets on the back and face plate to make it easier to remove the faceplate when needed.





Back of Face Plate



CAUTION:
Face Plate and Cover Plate must cover the controller

Controlling your Lightcloud Blue Device

1. Confirm your device is powered on.

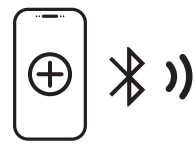
2. Download the Lightcloud Blue app from the Apple® App Store or Google® Play store.

Download on the App Store

GET IT ON Google Play

3. Launch the app and create an account.

4. Tap the "add device" icon in the app to start connecting devices.



5. Select the Wireless Switch in the app and move it to an Area with other Lightcloud Blue-enabled lights.

6. You're all set!

Learn more about the Lightcloud Blue system and app features.

Setting Device to Pairing Mode

To restore your Lightcloud Blue Wireless Switch to factory settings, use the following methods.

Method 1: Delete from App

Open the app and access the device settings for the paired device. Be sure that the Wireless Switch is online and select "Delete from Site".

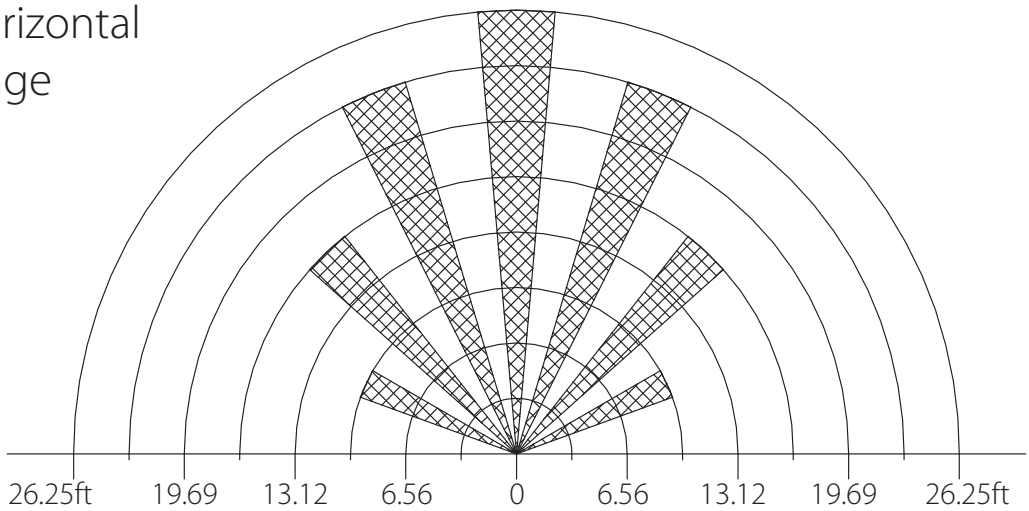
Method 2: Reset Switch

Press and hold the Reset Button until the indicator light blinks red *(the* controller *is waiting to pair with network)*.

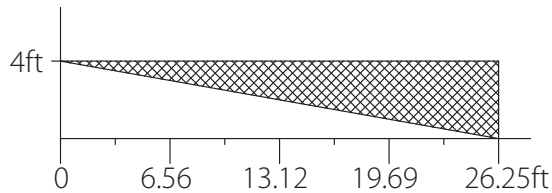
Sensor Detection Range

Best mounting height of dimmer: 4ft.

Maximum horizontal detection range



Maximum vertical detection range



Functionality

Configuration

All configuration of Lightcloud Blue products is performed using the Lightcloud Blue app.

Emergency default

If communication is lost, the Lightcloud Blue Wireless Switch may fall back to a specific state, such as turning the Lightcloud Blue lights on.

RF EXPOSURE STATEMENT

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

FCC Information:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC CAUTION:
Any changes or modifications to this unit not expressly approved by the manufacture could void the user's authority to operate the equipment.

Lightcloud®

Lightcloud Blue is a Bluetooth mesh wireless lighting control system that allows you to control RAB's various compatible devices. Each device in a system can communicate with any other device, maximizing the control system's reach.
Learn more at www.lightcloud.com

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Installing your Lightcloud Blue Device
(cont'd)

5 Typical Wiring

5a Single-Pole

Wiring Scheme *(neutral and hot wire)*