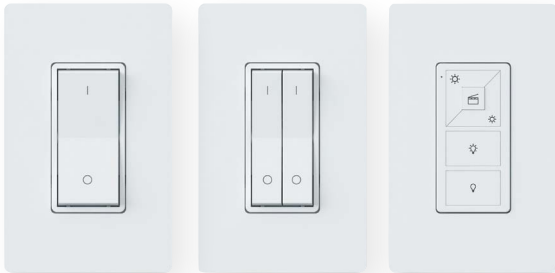




INCLUDES
PHONE APP!



RICHELIEU SMART CONTROL

BLUETOOTH LED CONTROLLER
PHONE APP • KINETIC SWITCHES • REMOTE • SENSOR

INSTALLATION GUIDE

PRODUCT DETAILS



Bluetooth LED Controller
No. CBXBTRF1029



Smart BTRF
kinetic switch,
1-zone
No. RFDE2801Z



Smart BTRF
kinetic switch,
2-zone
No. RFDE2802Z



Smart BTRF
remote switch,
1-zone
No. RFD9001Z



Mini remote
No. RMC2807



Wireless door sensor
No. SNSWLSWC

BLUETOOTH LED CONTROLLER

- Input voltage: 12 Vdc / 24 Vdc
24 Vdc uses adapter cables
- Output power 12 Vdc: 0-48 W
- Output power 24 Vdc: 0-96 W
- Dimensions: 2.75" x 2.75" x 5/8" (70 x 70 x 16 mm)
- 12-24 Vdc LED ports: 5
- IP rating: IP20
- 2.4G mesh+sensor single color LED controller, radio frequency: 2.4GHz
- Controlled through both smart App and remote controls, no gateway required for local control
- Easy and quick pairing to the smart App by simply pushing the Prog. button
- Mesh network, much longer control distance, transmits received signal to neighbor devices
- Up to 98-ft (30m) transmission distance between every two neighbor controllers
- Encrypted two-way communication, quick status feedback, safe and reliable data transmission
- Cloud control is available for remote access, works with Amazon Alexa and Google Home
- Do not install with power applied to device or expose to moisture

INCLUDED IN THE BOX

- (1) 12 Vdc / 24 Vdc Bluetooth LED controller
- (1) Power connector cable, 59 1/16" (150 cm)
- (1) 24 Vdc adapter cable, 5 7/8" (15 cm) - 24 Vdc power supply to controller power cable
- (5) 24 Vdc adapter cables, 5 7/8" (15 cm) - 24 Vdc LED to controller

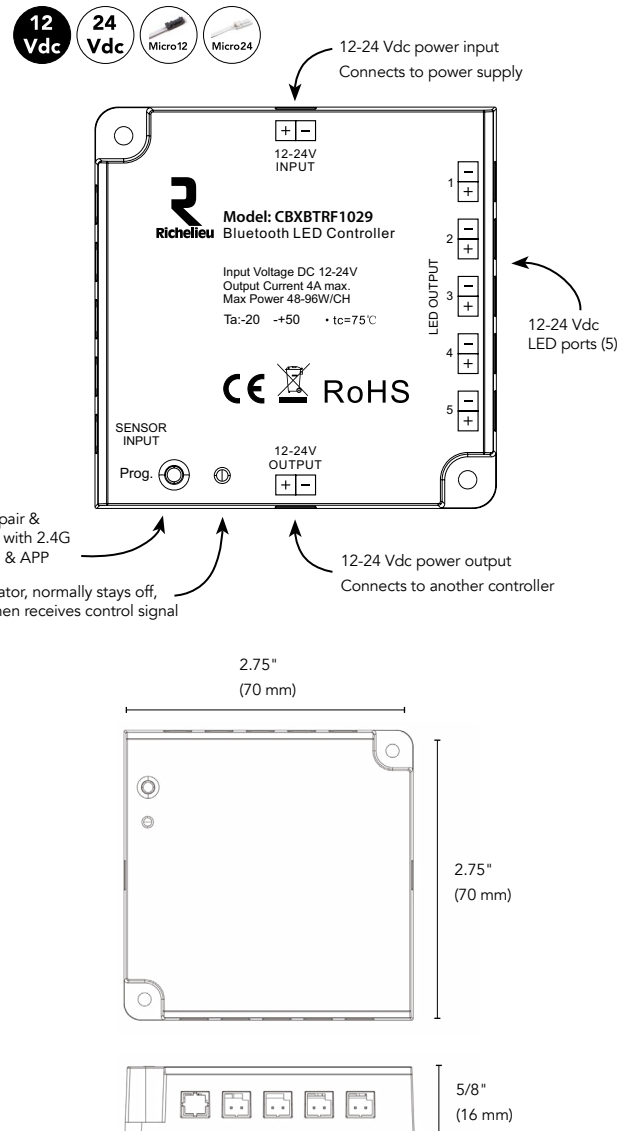
BLUETOOTH LED CONTROLLER

No.

CBXBTRF1029

ADDITIONAL REQUIRED ITEMS

- Control option, see pages 3-10
- Power supply, see page 11



24 Vdc adapter cable - 24 Vdc power supply to controller power cable



24 Vdc adapter cable - 24 Vdc LED to controller

PROGRAM SMART APP



Pair with smart app

After connecting all LEDs to the controller and then the controller to the power supply, you are now ready to download the Smart App and pair with the LED controller.

STEP 1 - Download app

Download the EasyThings or LuminR APP from IOS APP Store or Android Google Play to your smart phone or tablet by searching "EasyThings" or "LuminR" (Figure 1).

STEP 2 - Enable bluetooth

Enable Bluetooth on your smart phone or tablet (Figure 2).

STEP 3 - Discover and pair device

Open the APP and tap add button "+" to add device (Figure 3). Choose "Discover devices" (Figure 4). On the controller, short-press the Prog. button **TWICE** (Figure 5) (or reset power of the controller twice continuously) to set the controller device into pairing mode. After scanning, select the discovered device and Save to pair (Figure 6).

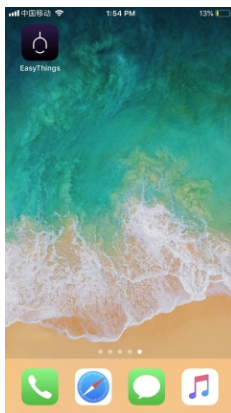


Figure 1

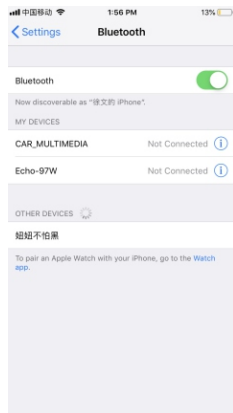


Figure 2

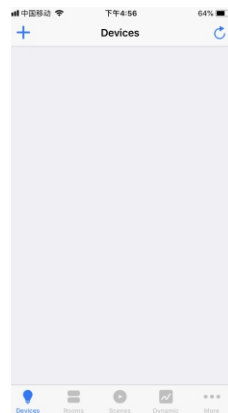


Figure 3

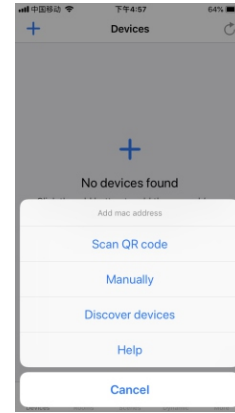


Figure 4

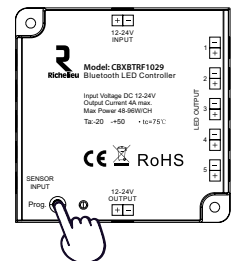


Figure 5

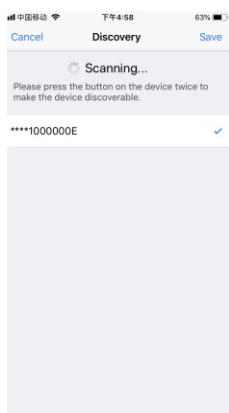


Figure 6

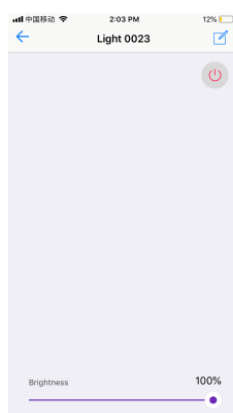


Figure 7

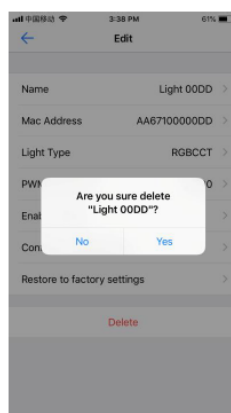


Figure 8

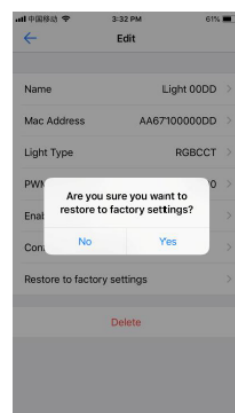


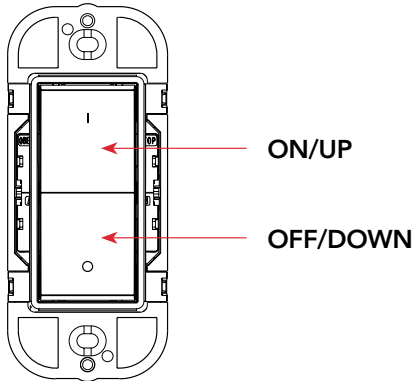


Figure 9

TROUBLESHOOTING

Delete a paired controller under the APPs device Edit page (Figure 8) by clicking this icon:  (Figure 7). Restore a paired controller to factory default settings under the APPs device Edit page (Figure 9) by clicking this icon:  (Figure 7). The connected light(s) will flash for a successful delete or factory reset.

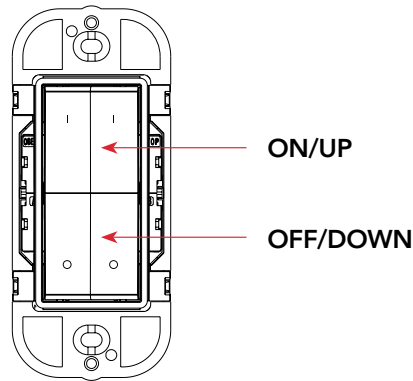
PRODUCT SMART BTRF SWITCHES



NO BATTERY, KINETIC POWER 1-ZONE WIRELESS CONTROL

- Short press On-button turns on light, long press brightens light
- Short press Off-button turns off light, long press dims light
- Dimensions: 4 1/8" L x 1 3/4" W x 3/8" H (104.5 mm x 44.9 mm x 10.2 mm)
- Range of control: 65-ft (20m) from switch to controller

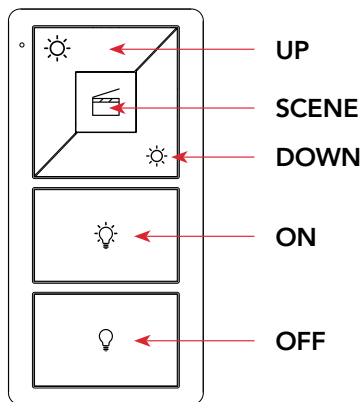
No.
RFDE2801Z



NO BATTERY, KINETIC POWER 2-ZONE WIRELESS CONTROL

- Short press On-button turns on light, long press brightens light
- Short press Off-button turns off light, long press dims light
- Dimensions: 4 1/8" L x 1 3/4" W x 3/8" H (104.5 mm x 44.9 mm x 10.2 mm)
- Range of control: 65-ft (20m) from switch to controller

No.
RFDE2802Z



BATTERY POWERED, SMART SWITCH 1-ZONE WIRELESS CONTROL

- Short press On-button turns on light
- Short press Off-button turns off light
- Long press Up-button brightens light
- Long press Down-button dims light
- Long press Scene-button saves a scene, short press recalls the saved scene
- Dimensions: 3 13/16" L x 1 9/16" W x 3/8" H (96.8 mm x 40 mm x 8.9 mm)
- Range of control: 65-ft (20m) from switch to controller
- Operation voltage: 3 Vdc (CR2032 battery)

No.
RFD9001Z



ADDITIONAL REQUIRED ITEMS

- Bluetooth LED controller, No. CBXBTRF1029
- Power supply, see page 11

Safety and warnings

This device contains button lithium batteries that shall be stored and disposed of properly. Do NOT expose the device to moisture.



Battery removal

Magnetic wall plate

PROGRAM SMART BTRF SWITCHES

Pair with BTRF switches

After connecting all LEDs to the controller and then the controller to the power supply, you are now ready to pair the switch with the LED controller.



STEP 1

If needed, remove the plastic from the battery inside the switch (RFD9001Z).

STEP 2

With RFDE2801Z, and RFD9001Z, all connected LED receivers are controlled simultaneously. With RFDE2802Z the 2 zones in the switch correspond to their own LED controller.

STEP 3

Before using the switch, you must pair it with the controller.

3.1 Keep the switch close to the controller.

3.2 On the controller, short-press the Prog. button once (Figure 1).

3.3 On the switch, short-press any button within 5 seconds of step 3.2. You will know the device is paired when all the lights connected to the controller blink once.

i NOTE: Do not press the Prog. button and switch simultaneously.

3.4 If you are using the 2-zone switch, repeat steps 3.1 to 3.3 to pair the second zone to the other controller.

STEP 4

If you have several controllers to be connected with a switch, please repeat steps 3.1 to 3.3. If you have several switches to be connected with a controller, repeat steps 3.1 to 3.4.

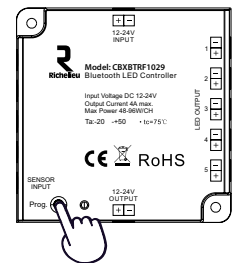


Figure 1

TROUBLESHOOTING

To remove a paired device or to factory reset the controller, press and hold down the Prog. button on the controller for over 5 seconds or reset power of the device 8 times continuously if the Prog. button is not accessible. The connected light(s) will flash for a successful reset.


Note: factory reset will restore all configured parameters of the controller(s) on the APP to factory default setting.

PROGRAM SMART BTRF SWITCH

Battery Warnings & Safety

This product contains a CR Coin Cell Lithium Battery and meets the requirements of the **16 CFR Part 1263**.

For your safety and to ensure proper operation, please carefully read and understand the following warnings and statements.

⚠ WARNING	
<ul style="list-style-type: none"> • INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH of CHILDREN • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body. 	



Smart switch, No. RFD9001Z


BATTERY INFORMATION

- Battery: CR2032
- Battery type: button cell
- Operation voltage: 3 Vdc

STATEMENTS

- **INDOOR USE ONLY**
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Do not install any battery other than CR2032 or its equivalent.
- Ensure the CR2032 operates at the nominal battery voltage (3VDC).
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.
- If the battery leaks, do not touch or smell it, wipe the leakage from the battery compartment, and then replace the battery with a new one.
- If a battery leaks and the material contacts your skin or clothing, flush the exposed area thoroughly with running water. In case of eye contact, flush thoroughly with copious amounts of clean running water and seek immediate medical assistance.

BATTERY REPLACEMENT

Battery	Description
+	
-	

Note to distinguish between the + or - of the battery.

STEP 1

Remove switch from magnetic wall bracket and use a screwdriver to remove the screw (Figure 1).

STEP 2

Press and hold down, then push the rib to unlock the battery compartment cap (Figure 2).

STEP 3

Pull out the cap, then remove and replace the battery (Figure 3).

STEP 4

Close the cap, secure the compartment with the screw, and place back on the magnetic wall bracket.

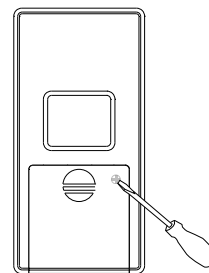


Figure 1

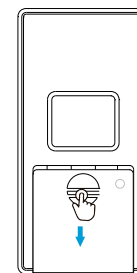


Figure 2

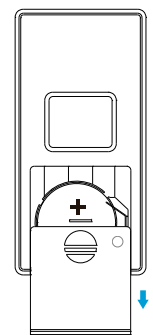


Figure 3

PRODUCT MINI REMOTE

- Quick and easy pairing to the Bluetooth LED controller
- 2.4G low power consumption technology, long battery life
- Each remote can control numerous controllers
- Each controller can be paired with up to 8 remotes
- Operation voltage: 3 Vdc (CR2025 battery)
- Transmission frequency: 2.4 GHz
- Transmission range (free field): 98-ft (30m)
- Dimension: 1 1/2" Ø x 3/16" x 9/16" (38 Ø x 5 x 14.8 mm)
- IP rating: IP20

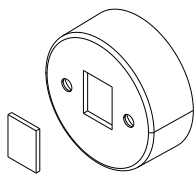
No.

RMC2807

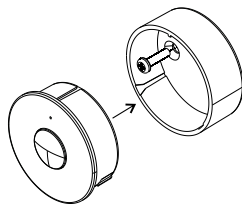
ADDITIONAL REQUIRED ITEMS

- Bluetooth LED controller, No. CBXBTRF1029
- Power supply, see page 11

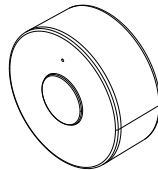
Installation



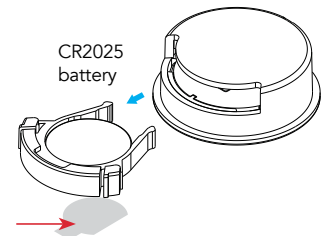
1. Fix the magnet in the chute of the back shell



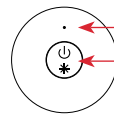
2. Screw the back cover onto the wall



3. The back cover can hold the remote control on the wall



Note: before the first use, please remove the protective film on the battery.



LED indicator
Click to turn on/off
Press and hold down to increase/decrease brightness

NOTICE: After dimming up/down or changing color temperature operation, if the next operation is a short press, the short press will always send an on command to turn on the lights, since the status of the lights before the short press is already on, the status of the lights will not change after this short press. The second short press after the dimming or changing color temperature operation will turn off the lights.



Safety and warnings

This device contains button lithium batteries that shall be stored and disposed of properly. Do NOT expose the device to moisture.

PROGRAM MINI REMOTE


Pair with Mini remote

After connecting all LEDs to the controller and then the controller to the power supply, you are now ready to pair the remote with the LED controller.

STEP 1

On the controller, short-press the Prog. button once (Figure 1).

STEP 2

On the remote, short-press the  button (Figure 2) within 5 seconds of step 1. You will know the device is paired when all the lights connected to the controller blink once.

Note: one controller can be paired with up to 8 remotes.

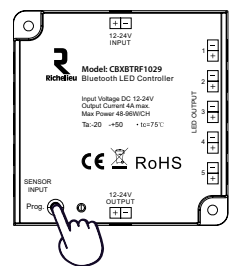


Figure 1

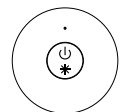


Figure 2

TROUBLESHOOTING

To remove a paired device or to factory reset the controller, press and hold down the Prog. button on the controller for over 5 seconds or reset power of the device 8 times continuously if the Prog. button is not accessible. The light(s) connected to the controller will flash for a successful reset.


Note: factory reset will restore all configured parameters of the controller(s) on the APP to factory default setting.

PRODUCT MINI REMOTE

Battery Warnings & Safety

This product contains a CR Coin Cell Lithium Battery and meets the requirements of the **16 CFR Part 1263**.

For your safety and to ensure proper operation, please carefully read and understand the following warnings and statements.

⚠ WARNING	
<ul style="list-style-type: none"> • INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH of CHILDREN • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body. 	



Mini remote, No. RMC2807


BATTERY INFORMATION

- Battery: CR2025
- Battery type: button cell
- Operation voltage: 3 Vdc

STATEMENTS

- **INDOOR USE ONLY**
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Do not install any battery other than CR2025 or its equivalent.
- Ensure the CR2025 operates at the nominal battery voltage (3VDC).
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.
- If the battery leaks, do not touch or smell it, wipe the leakage from the battery compartment, and then replace the battery with a new one.
- If a battery leaks and the material contacts your skin or clothing, flush the exposed area thoroughly with running water. In case of eye contact, flush thoroughly with copious amounts of clean running water and seek immediate medical assistance.

BATTERY REPLACEMENT

Battery	Description
+	
-	

Note to distinguish between the + or - of the battery.

STEP 1

Pull out the sensor from the magnetic back cover. (Figure 1).

STEP 2

Use a suitable tool (slotted screwdriver or others) to loosen one side of the battery compartment cap and hold it, then do it same on the other side (Figure 2).

STEP 3

Extrude and hold both sides of the battery compartment cap to unlock it and pull out the compartment at the same time (Figure 3).

STEP 4

Remove and replace the battery (Figure 4).

STEP 5

Close the compartment, and place back on the magnetic back cover.

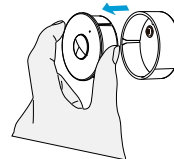


Figure 1

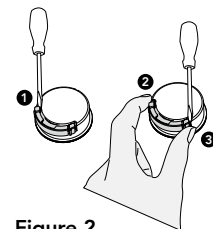


Figure 2



Figure 3

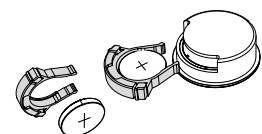
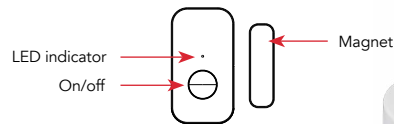


Figure 4

PRODUCT WIRELESS DOOR SENSOR

- Quick and easy pairing to the Bluetooth LED controller
- 2.4G low power consumption technology, long battery life
- Each sensor can control numerous controllers
- Operation voltage: 3 Vdc (CR2032 battery)
- Transmission frequency: 2.4 GHz
- Operating temperature: 0 to 104°F (40°C)
- Relative humidity: 8% to 80%
- Dimension - Transmitter: 1 15/16" x 1 1/16" x 3/8" (49 x 26.5 x 10 mm)
- Dimension - Magnet: 1 3/8" x 7/16" x 3/8" (35.5 x 10.5 x 10 mm)



No.

SNSWLSWC

ADDITIONAL REQUIRED ITEMS

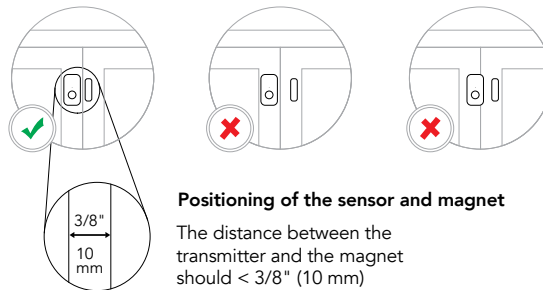
- Bluetooth LED controller, No. CBXBTRF1029
- Power supply, see page 11

Safety and warnings

This device contains button lithium batteries that shall be stored and disposed of properly. Do NOT expose the device to moisture.

Installation

1. Peel off the protective layer from the sticker on the sensor.
2. Stick the sensor onto the cabinet door frame.
3. Peel off the protective layer from the sticker on the magnet.
4. Stick the magnet onto the moving part of the door, no further than 3/8" (10mm) from sensor.



PROGRAM WIRELESS DOOR SENSOR

Pair with wireless door sensor

After connecting all LEDs to the controller and then the controller to the power supply, you are now ready to pair the sensor with the LED controller.

STEP 1

On the controller, short-press the Prog. button once (Figure 1).

STEP 2

On the sensor, short-press the on/off button (Figure 2), or take the magnet away from sensor, within 5 seconds of step 1. You will know the device is paired when all the lights connected to the controller blink once.

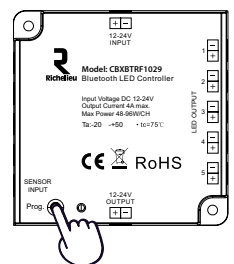


Figure 1

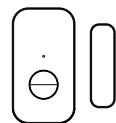


Figure 2

TROUBLESHOOTING

To remove a paired device or to factory reset the controller, press and hold down the Prog. button on the controller for over 5 seconds or reset power of the device 8 times continuously if the Prog. button is not accessible. The connected light(s) will flash for a successful reset.


Note: factory reset will restore all configured parameters of the controller(s) on the APP to factory default setting.

PRODUCT WIRELESS DOOR SENSOR

Battery Warnings & Safety

This product contains a CR Coin Cell Lithium Battery and meets the requirements of the **16 CFR Part 1263**.

For your safety and to ensure proper operation, please carefully read and understand the following warnings and statements.

⚠ WARNING	
<ul style="list-style-type: none"> • INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH of CHILDREN • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body. 	



Wireless sensor, No. SNSWLSWC


BATTERY INFORMATION

- Battery: CR2032
- Battery type: button cell
- Operation voltage: 3 Vdc

STATEMENTS

- INDOOR USE ONLY
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Do not install any battery other than CR2032 or its equivalent.
- Ensure the CR2032 operates at the nominal battery voltage (3VDC).
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.
- If the battery leaks, do not touch or smell it, wipe the leakage from the battery compartment, and then replace the battery with a new one.
- If a battery leaks and the material contacts your skin or clothing, flush the exposed area thoroughly with running water. In case of eye contact, flush thoroughly with copious amounts of clean running water and seek immediate medical assistance.

BATTERY REPLACEMENT

Battery	Description
+	
-	

Note to distinguish between the + or - of the battery.

STEP 1

Use a suitable tool (slotted screwdriver or others) to loosen the rear cover, then push it out further (Figure 1).

STEP 2

Slide down the rear cover to open the battery compartment (Figure 2).

STEP 3

Remove and replace the battery (Figure 3).

STEP 4

Close the compartment rear cover.

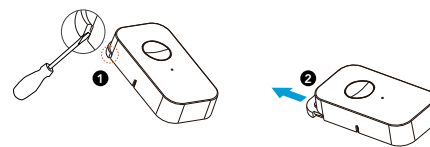


Figure 1

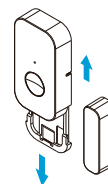


Figure 2

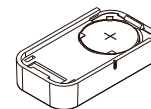
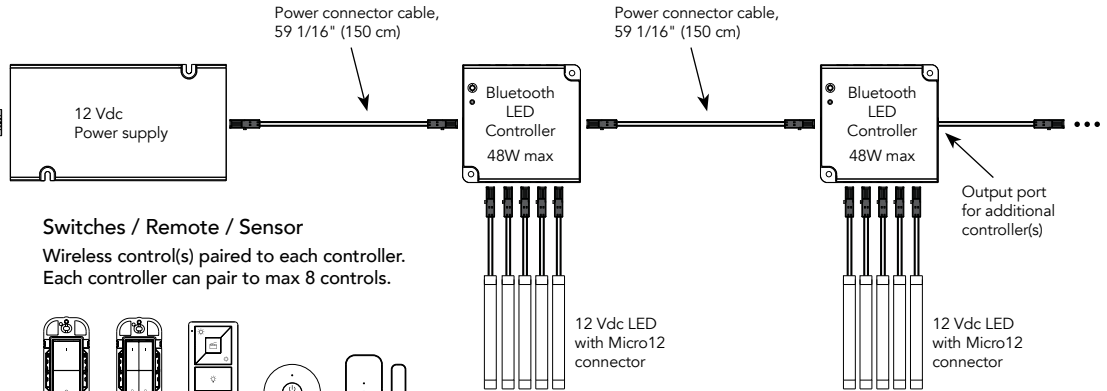


Figure 3

CONNECTION SETUP 12 VDC LEDS

This set up is using two Bluetooth LED Controllers, linked together.
 Additional controllers can be added if the **total** LED wattage is within the power supply max wattage.

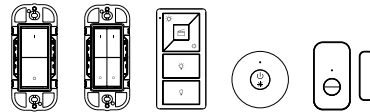


12 Vdc
 Richelieu power supplies

PLUG-IN
 No. NDP01206 (6W)
 No. NDP01230 (30W)
 No. NDP01260 (60W)

HARDWIRE
 No. NDH1260900 (60W)
 No. NDH12360 (3 X 60W)

Switches / Remote / Sensor
 Wireless control(s) paired to each controller.
 Each controller can pair to max 8 controls.



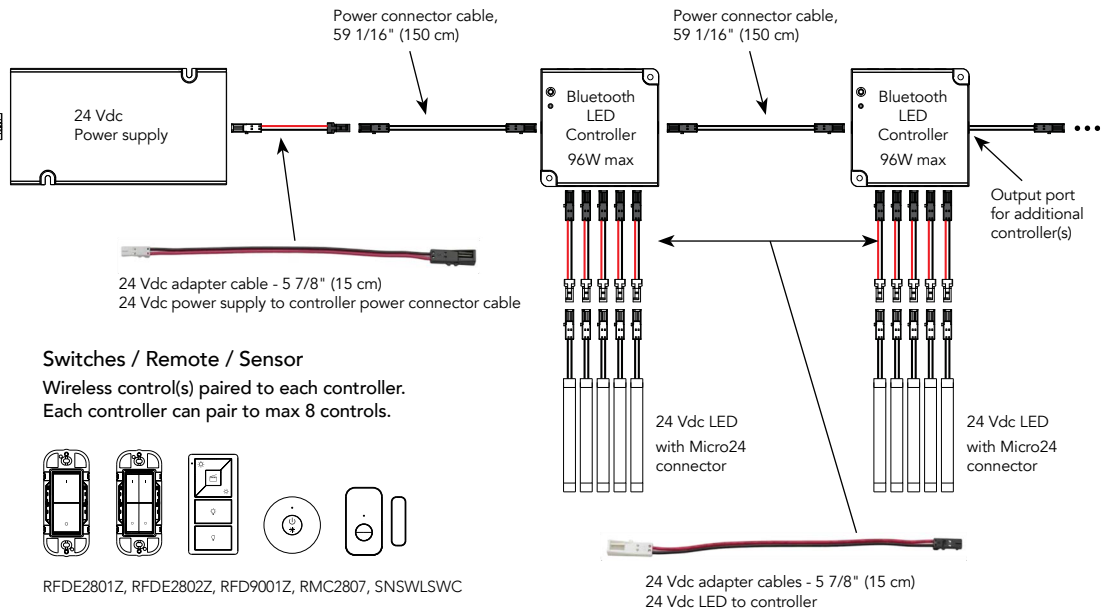
RFDE2801Z, RFDE2802Z, RFD9001Z, RMC2807, SNSWLSWC

Phone APP
 In addition to a switch, download the phone APP for added features.

DO NOT install with power applied to the device.
 DO NOT expose the device to moisture.

CONNECTION SETUP 24 VDC LEDS

This set up is using two Bluetooth LED Controllers, linked together.
 Additional controllers can be added if the **total** LED wattage is within the power supply max wattage.



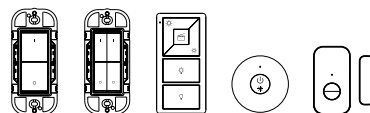
DO NOT install with power applied to the device.
 DO NOT expose the device to moisture.

24 Vdc
 Richelieu power supplies

PLUG-IN
 No. NDP02406 (6W)
 No. NDP02430 (30W)
 No. NDP02475 (75W)

HARDWIRE
 No. NDH24096030 (96W)
 No. NDH24296 (2 X 96W)
 No. NDH24396 (3 X 96W)

Switches / Remote / Sensor
 Wireless control(s) paired to each controller.
 Each controller can pair to max 8 controls.



RFDE2801Z, RFDE2802Z, RFD9001Z, RMC2807, SNSWLSWC

Phone APP
 In addition to a switch, download the phone APP for added features.

24 Vdc adapter cables - 5 7/8" (15 cm)
 24 Vdc LED to controller

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. 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.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The distance between user and products should be no less than 20cm.

IC STATEMENT

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.