LC-RF-400X-RGB, -DIM, -CTA

LIGHTING CONTROLS
RADIO FREQUENCY 400 SERIES

Type	
Project	
Catalog No.	

LC-RF-400-RCV RECEIVER

DIMMING CONTROLLERS		CTA CONTROLLERS	RGB CONTROLLERS
LC-RF-400W-DIM	LC-RF-402W-DIM	LC-RF-400W-CTA	LC-RF-410W-RGB
LC-RF-400H-DIM		LC-RF-400H-CTA	LC-RF-400H-RGB

RECEIVER SPECIFICATIONS

LC-RF-400-RCV

Input Voltage*	12-24V DC
Channels	4 (depending on application - see wiring diagrams)
Output Power	96W Max per channel, 384W Max
Output Current	5A Max per channel
Pairing	Pairs up to 8 remote controllers
Operating Temperature**	-4°F - 122°F
Dimensions	7-1/16" L x 1-13/16" W x 3/4" H
Environment	Indoor-Dry
Warranty	5 Years – see published warranty terms for detailed information.

HAND HELD REMOTE - FEATURES & SPECIFICATIONS

LC-RF-400H SERIES

Operating Voltage	3.6V (3 x AAA batteries included)
Working Frequency	434 MHz
Remote Distance	100 feet
Operating Temperature**	-4°F - 122°F
Remote Dimension	4-3/4" L x 2-3/16" W x 11/16" H

- Touch wheel.
- Includes wall mount remote holder.
- 4 controllable zones
- Unlimited number of receivers per zone
- 3 savable scenes/colors per zone.
- Brightness control
- 10 built-in color changing modes for LC-RF-400-RGB

WALL MOUNTED REMOTE - FEATURES & SPECIFICATIONS

LC-RF-400W SERIES

Operating Voltage	3.6 VDC (CR2025 battery included)
Working Frequency	434 MHz
Remote Distance	100 feet
Operating Temperature**	-4°F - 122°F
Remote Dimensions	4-3/4" L x 2-15/16" W

LC-RF-402W / LC-RF-410W-RGB

Operating Voltage	12-24 VDC (power supply not included)
Working Frequency	434 MHz
Remote Distance	100 feet
Operating Temperature**	-4°F - 122°F
Remote Dimensions	4-3/4" L x 2-15/16" W

- Modern design with glass face plate and touch operations
- Wall mounted controllers fit standard single gang switch boxes.
- LC-RF-400W and -400H series controllers are battery operated.
- LC-RF-402W-DIM offers 2 zone dimming. External power supply required, not included.
- LC-RF-410W offers single zone color control with 3 savable settings. External power supply required, not included.

*Not recommended with magnetic power supplies.
**Exceeding the operating temperature values may damage the product by reducing the lifespan, lumen output, adversely impact color consistency, and void the warranty. It is recommended adequate airflow and heatsinking be taken into consideration in the installation and application of this product. Improper thermal management may lead to premature product failure.
Solid obstacles and other wireless devices may interfere with signals sent from controller and reduce working distance.

Specifications subject to change without notice.

LC-RF-400X-RGB, -DIM, -CTA

LIGHTING CONTROLS
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OPERATING INSTRUCTIONS FOR WALL MOUNTED REMOTE CONTROLLERS

Learning Key

Each remote can control multiple receivers. Master and slave mode must be set for each zone. Each zone can only have one master. All other receivers on the same zone must be set to slave. The master receiver will sync all receivers to ensure all colors or modes are consistent in the given zone.

LC-RF-400W-DIM / LC-RF-402W-DIM

PAIRING WITH LC-RF-400-RCV	CONTROL	PAIRING WITH LC-RF-400-RCV	CONTROL
1. Press the "Learning Key" button on the receiver. (Note: no tool needed. Case cover depresses with slight pressure) 2. Push the rotary dial. 3. Once successfully paired, the LED lights connected to the receiver will blink.	- Push rotary dial for on/off - Turn rotary dial to the left to decrease brightness - Turn rotary dial to the right to increase brightness	1. Press the "learning key" button on the receiver. (Note: no tool needed. Case cover depresses with slight pressure) 2. Push "|" to assign receiver to zone 1 or zone 2. 3. Once successfully paired, the LED lights connected to the receiver will blink.	- Short press "|" to turn on. - Press and hold "|" to increase brightness - Short press "O" to turn off. - Press and hold "O" to decrease brightness

LC-RF-400W-DIM   **LC-RF-402W-DIM**

LC-RF-400W-CTA

PAIRING WITH LC-RF-400-RCV	DIM CONTROL	CCT CONTROL
1. Press the "learning key" button on the receiver. (Note: no tool needed. Case cover depresses with slight pressure) 2. Push the rotary dial. 3. Once successfully paired, the LED lights connected to the receiver will blink.	- Push rotary dial for on/off - Turn rotary dial to the left to decrease brightness - Turn rotary dial to the right to increase brightness	- Push rotary dial twice quickly to access color tune function - Turn rotary dial to left for cool color temperature - Turn rotary dial to right for warm color temperature

LC-RF-400W-CTA

LC-RF-400W-RGB

PAIRING WITH LC-RF-400-RCV	RGB CONTROL
1. Make sure the remote is on by touching the on/off button. 2. Press the "learning key" button on the receiver. (Note: no tool needed. Case cover depresses with slight pressure) 3. Touch the color wheel. Once successfully paired, the LED lights connected to the receiver will blink.	Color Wheel: Touch to choose color Short touch to choose the color R.G.B.W Long touch to dim brightness of R.G.B.W Warm white & Cold White & Natural White, mixed by RGB Brightness Switch: Short touch to switch on/off Color Running Button: Short touch to start or Pause color running mode; Long touch to adjust speed (1 built-in color running mode) Save Color: Long Touch S1/S2/S3 to save your favorite colors S1 S2 S3

LC-RF-400W-RGB

Specifications subject to change without notice.

LC-RF-400X-RGB, -DIM, -CTA

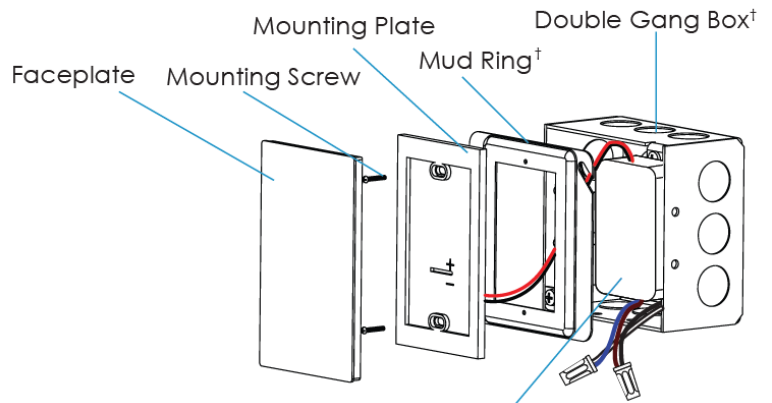**LIGHTING CONTROLS**
RADIO FREQUENCY 400 SERIES

Type	
Project	
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WALL MOUNTED CONTROLLER WIRING DIAGRAM for reference purposes only. Not for installation. Not to scale.

CR2025 battery tray
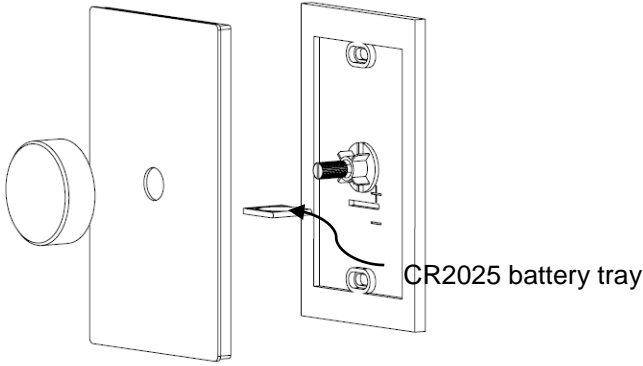
LC-RF-400W Series (CR2025 battery included)

GND | Vin | D+ | D-
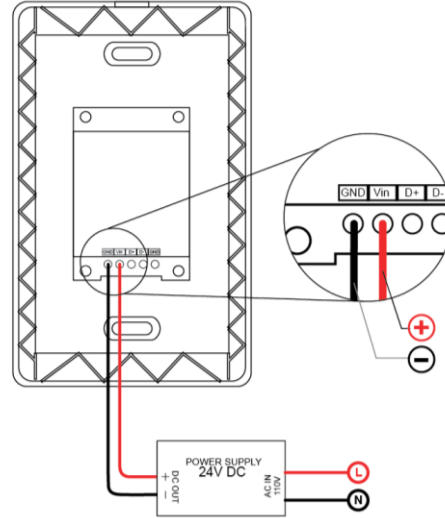
POWER SUPPLY 24V DC

LC-RF-402W-DIM / LC-RF-410W-RGB (Power Supply not Included)

Faceplate   Mounting Screw   Mounting Plate   Mud Ring†   Double Gang Box†

12W/24V Hardwire Power Supply
DL-PS-12/24-HW†
†Not Included.

Double Gang Box
Min. depth 2 inches to fit DL-PS-12/24-HW

LC-RF-402W-DIM / LC-RF-410W-RGB junction box installation with DL-PS-12/24-HW

Specifications subject to change without notice.

LC-RF-400X-RGB, -DIM, -CTA

LIGHTING CONTROLS
RADIO FREQUENCY 400 SERIES

| Type	
Project	
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OPERATING INSTRUCTIONS FOR HANDHELD REMOTE CONTROLLERS

Each Handheld remote can control multiple receivers.
To pair handheld remote controller to LC-RF-400-RCV receiver, make sure the remote is off. (indicator LED on remote should not be lit)
1. Press the "learning key" button on the receiver. (Note: no tool needed. Case cover depresses with slight pressure)
2. Immediately press the power button on handheld remote controller, then press on desire zone from 1 through 4.
3. Once successfully paired, the LED lights connected to the receiver will blink.
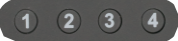
LC-RF-400H-DIM

Color Wheel
1. Select a zone or multiple zones.
2. Choose a brightness level by touching the brightness wheel.

Brightness button
1. Press and hold the brightness button to dim up or down. The dimming direction will change every time after pressing the brightness button.

Save/Scene button
1. Select a zone.
2. Select a brightness level using the brightness wheel.
   Press and hold a Save/Scene button for 2-3 secs. The LEDs will flash twice to indicate the save was successful.

LC-RF-400H-CTA

Color Wheel
1. Select a zone or multiple zones.
2. Choose a color temperature by touching the color temperature wheel.

Brightness button
1. Press and hold the brightness button to dim up or down. The dimming direction will change every time after pressing the brightness button.

Save/Scene button
1. Select a zone.
2. Select a color temperature using the color temperature wheel. Adjust brightness as needed.
   Press and hold a Save/Scene button for 2-3 secs. The LEDs will flash twice to indicate the save was successful.

Color Wheel
1. Select a zone or multiple zones.
2. Choose a color by touching the color wheel.

Play/Speed button
1. Press Play/Speed button to start color changing mode.
2. Press Play/Speed button to stop the current mode.
3. Press Play/Speed again for the next mode.
4. Press and hold the Play/Speed button to speed up the current mode.
5. Press and hold the Play/Speed button again to slow down the current mode.

Save/Scene button
1. Select a zone.
2. Select a color using the color wheel or select a mode using the play button.
3. Press and hold a Save/Scene button for 2-3 secs. The LEDs will flash twice to indicate the save was successful.

Specifications subject to change without notice.

LC-RF-400X-RGB, -DIM, -CTA	Type	
LIGHTING CONTROLS	Project	
RADIO FREQUENCY 400 SERIES	Catalog No.	

RECEIVER WIRING DIAGRAM for reference purposes only. Not for installation. Not to scale.

Refer to your LED product's spec sheet for the correct power supply.

RED – 1(+)
WHITE – 1 (-)

4 CHANNEL
STATIC STRIP
WIRING

FLEX-UP Static Strip Wiring for Dimming

RED – WW (+)
BROWN – WW (-)
WHITE – CW (-)

2 CHANNEL CTA

1 CHANNEL CTA
2 CHANNEL Static

FLEX-CTA Strip Wiring for Color Tuning Control

1 CHANNEL RGB
1 CHANNEL STATIC STRIP

WHITE – R (+)
RED – R (-)
GREEN – G (-)
BLUE – B (-)

FLEX-RGB Strip Wiring for RGB Control

Specifications subject to change without notice.