

4 ZONE GLASS-TOUCH WIRELESS WALL CONTROLLER

PRODUCT MANUAL

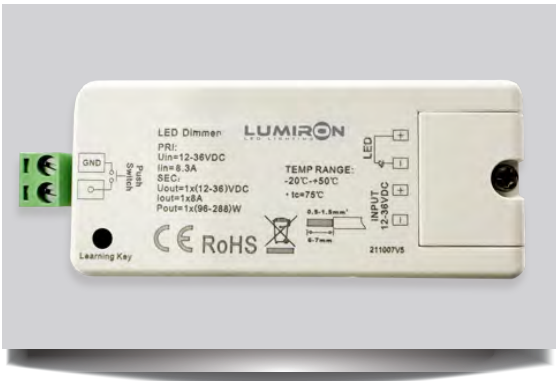


LUMIRON
LED LIGHTING

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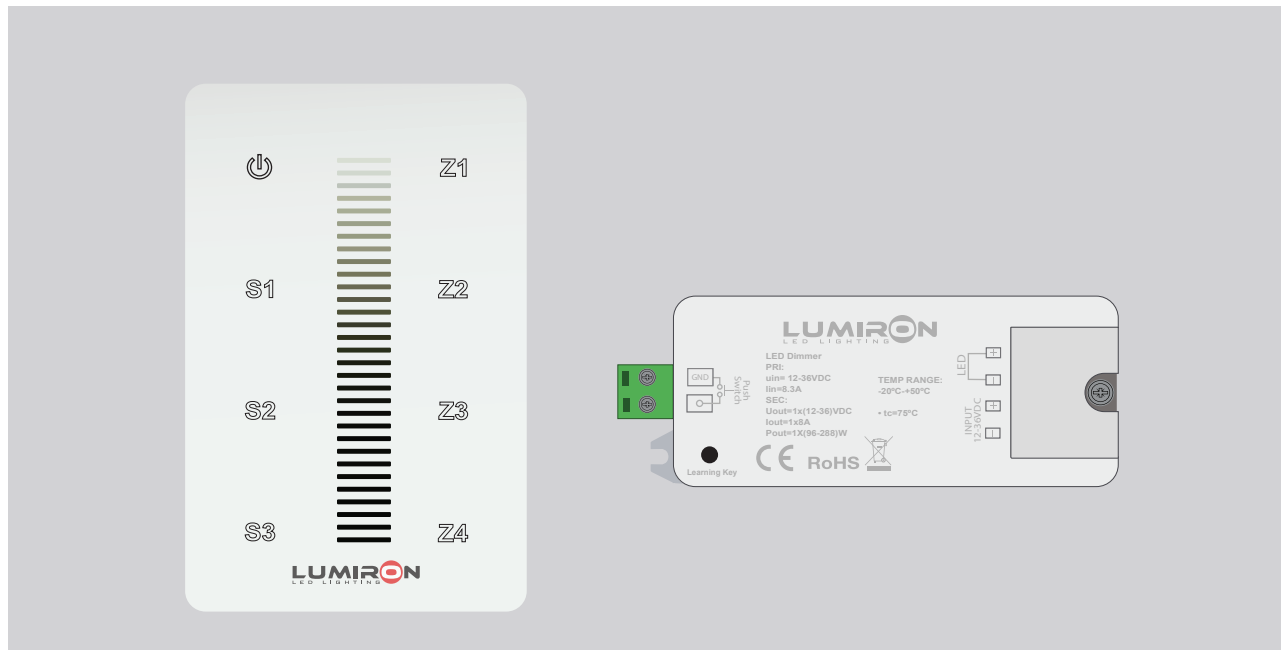
ON THIS MANUAL
YOU WILL FIND:

- Product Information
- Product Diagram and Parts
- Product Wiring and Installation
- Product Operation
- Product Troubleshooting



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WELCOME



PRODUCT DESCRIPTION

LUMIRON brings you the perfect solution for controlling single-color LED

fixtures in multiple areas of your home or business. Our GlassTouch Pro-S 4-Zone Wireless Dimmer can control up to four zones or areas independently and lets you save up to three brightness settings that can be played in any zone.

The GlassTouch Pro-S dimmer perfectly installs in any single gang box unit that has a live.

This classic low-profile LED Dimmer is designed with simple backlit touch controls that let you see and use the dimmer even in a low light setting.

PRODUCT FEATURES

- ✓ 1 x GlassTouch Pro-S 4-Zone Wireless Dimmer
- ✓ 1 x 8A Dimming-Receiver
- ✓ Perfectly installs in any single gang box unit
- ✓ Easy installation and operation
- ✓ Controls single-color LED fixtures
- ✓ Control up to four zones independently
- ✓ Save up to 3 brightness settings
- ✓ Full dimming from 100% – 1%
- ✓ Impressive 65 feet wireless range
- ✓ Soft ramping ON/OFF technology
- ✓ Subtle back light for operation in dark area
- ✓ Pairs to unlimited number of dimming-receivers
- ✓ Memory Function - Remembers last setting before losing power.

PRODUCT SPECTS

- Dimming : 100% to 1%
- Control Zones : 4
- Input Voltage : 100V - 240V AC
- Weight : 0.60 lb
- Frequency : 916.5 MHz
- Range : 65ft
- Dimension : 4.7" x 3.0" x 1.2"

DIMMING RECEIVER

- Input Voltage : 12V - 36V DC
- Max Power : 96W@12V DC
288W@36V DC
- Max Amps : 1 x 8A
- Dimensions : 3.7" x 1.5" x 0.8"
- Weight : 0.15 lb
- Working Temp : - 4F - 120F
- Warranty : 3 Years
- Certificates : CE, RoHs

CONTROLLER

FRONT VIEW

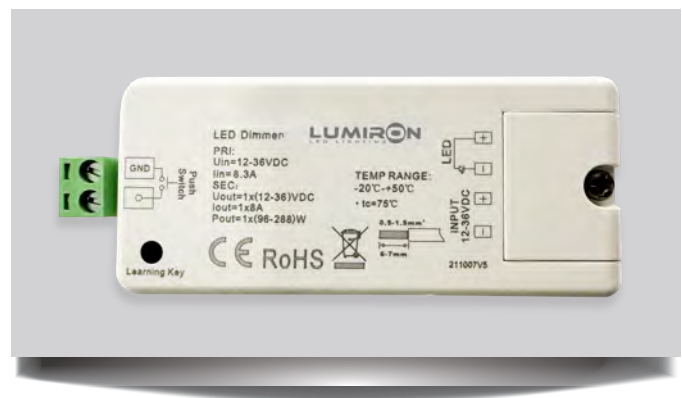


TOOLS REQUIRED FOR INSTALLATION

- ✓ Philips Screwdriver
- ✓ Flat Head Screwdriver
- ✓ Wire Stripper

RECEIVER

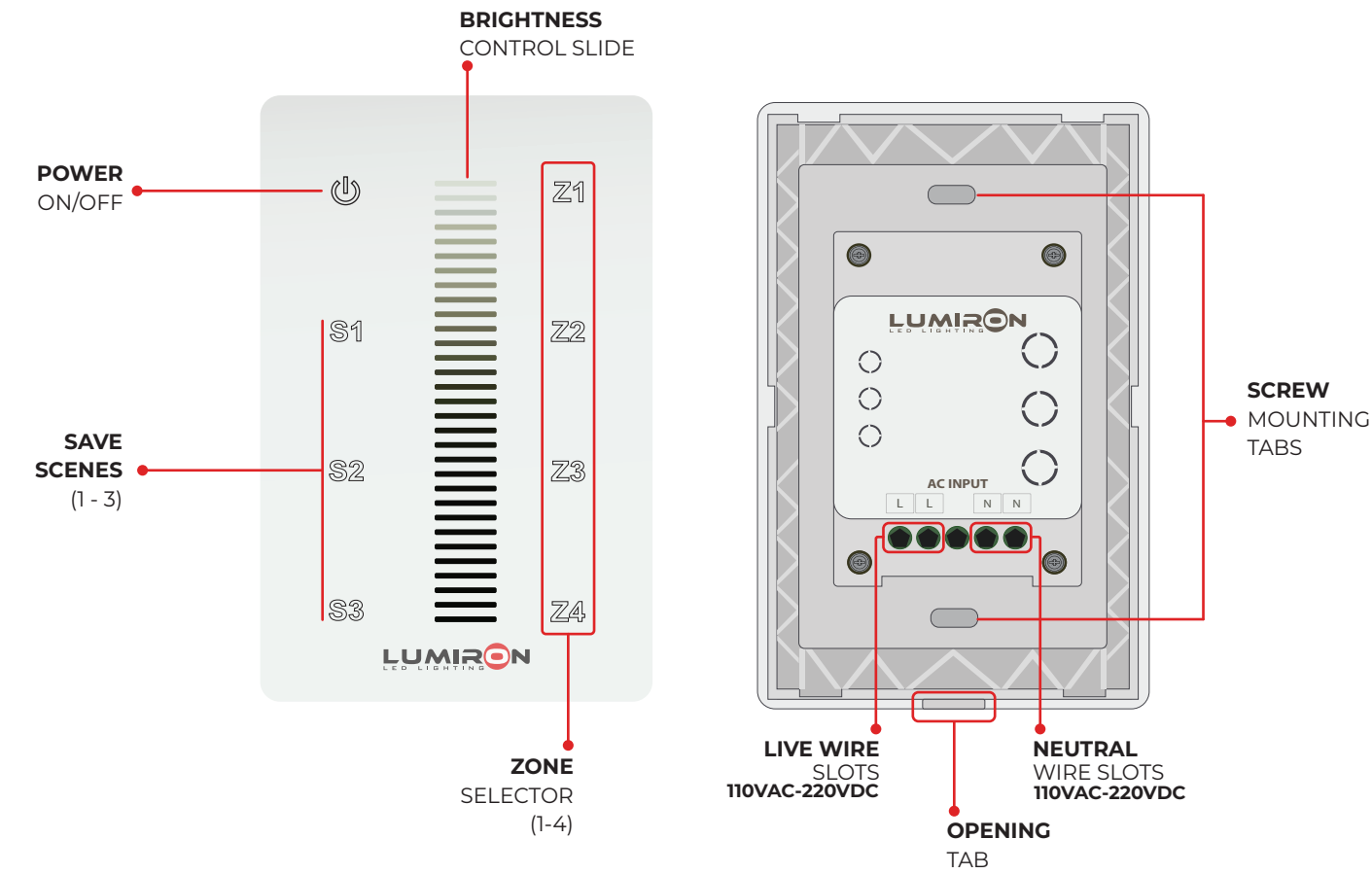
FRONT VIEW



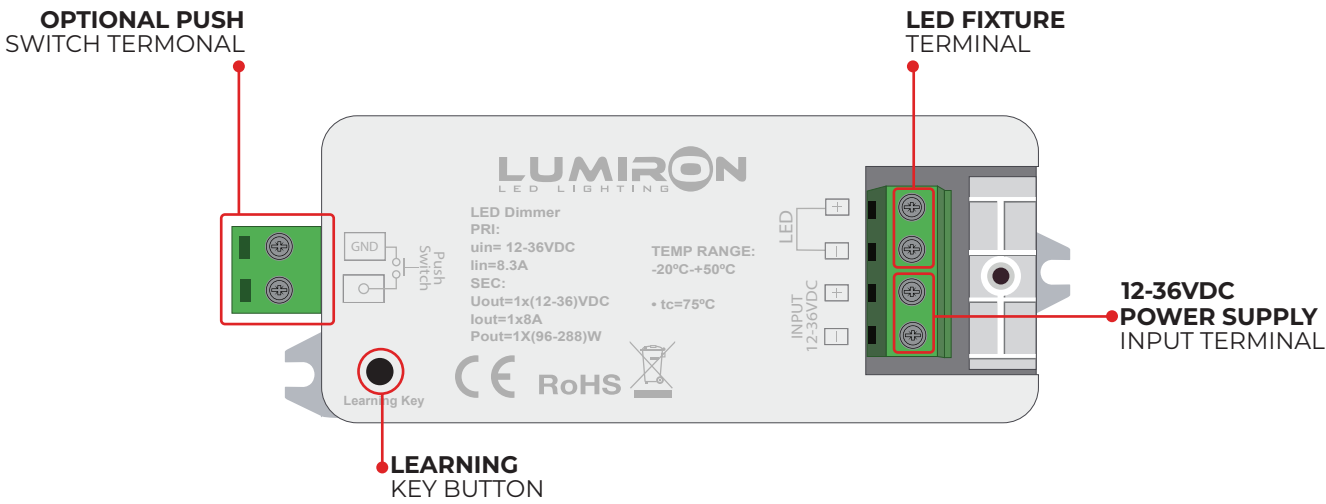
SECTION 1

4 ZONE GLASS-TOUCH CONTROLLER OVERVIEW

DIMMER



DIMMING-RECEIVER



SECTION 2

DIMMER AND RECEIVER DIAGRAM AND WIRING

GLASS-TOUCH PRO - 4 ZONE WIRING DIAGRAM



WIRING OF 4 ZONE CONTROLLER

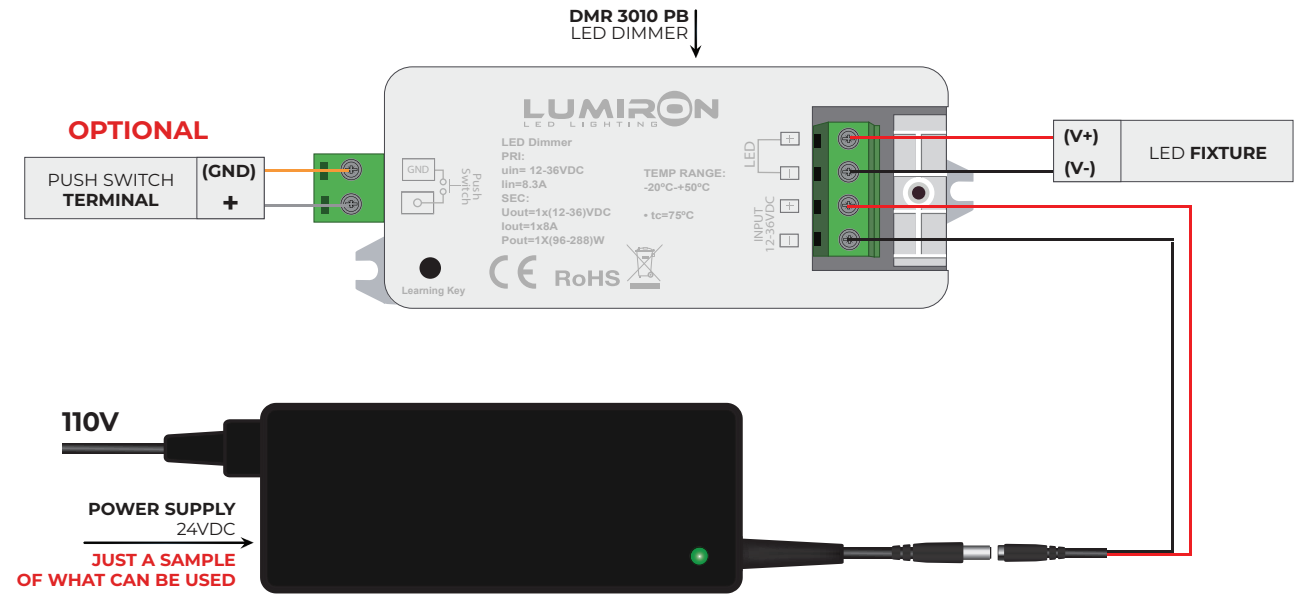
FRON VIEW



BACK VIEW



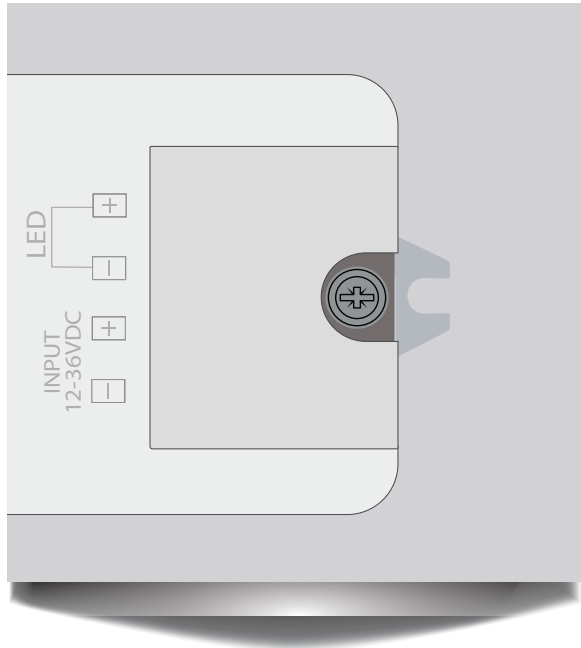
WIRING OF RECEIVER



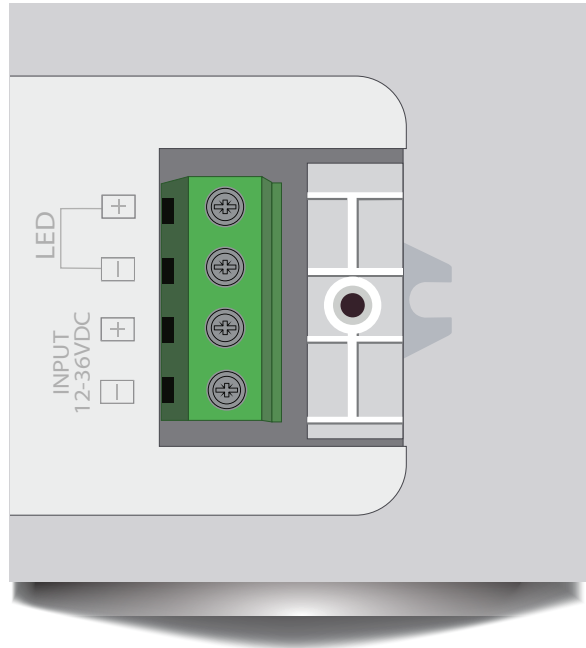
RECEIVER WIRING

STEP 1

Unscrew and remove the white plastic endcap to expose the green wiring terminal blocks.

**TOOLS REQUIRED
FOR INSTALLATION**

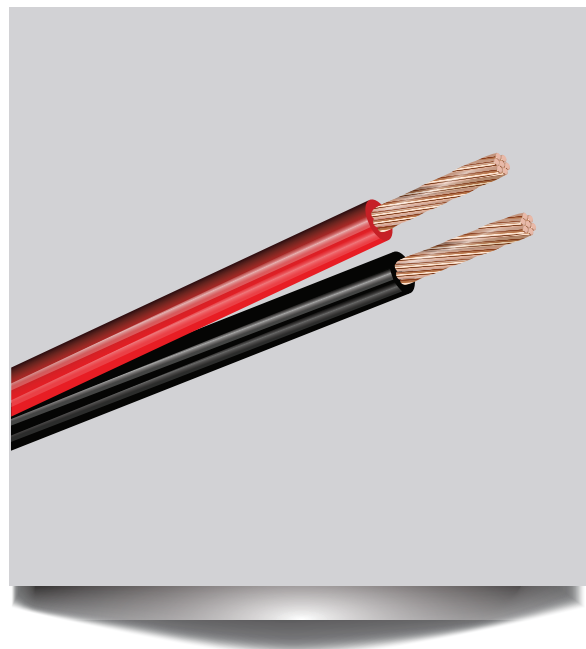
- ✓ Philips Screwdriver
- ✓ Philips head screwdriver
- ✓ Wire Stripper

**STEP 2**

To add power, strip off about ¼-inch of the plastic jacket from the ends of the power supply wires to expose the metal strands. Twist each wire to bind the strands together for a better installation.

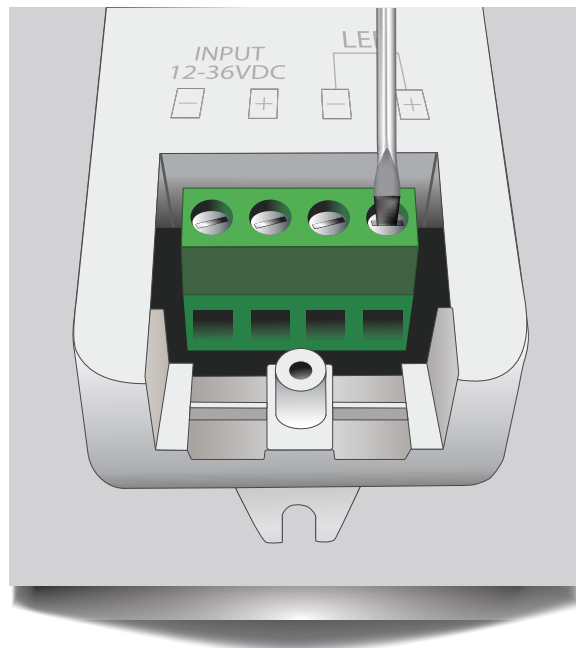
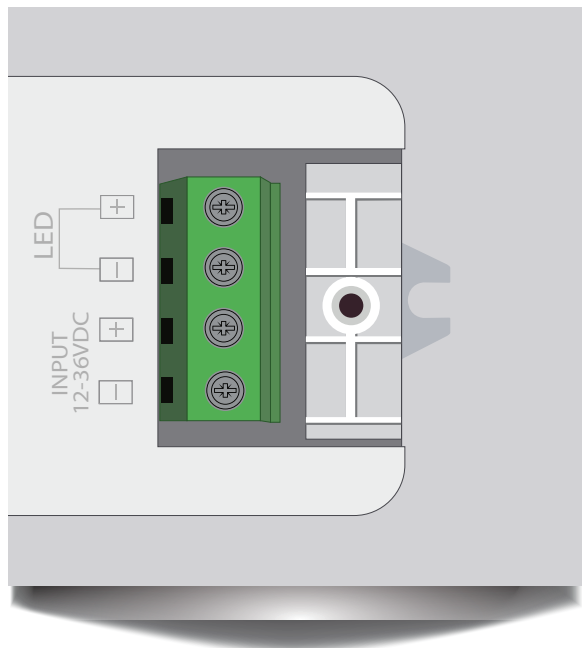
**WARNING!**

**MAKE SURE THAT THE POWER SUPPLY IS
NOT CONNECTED TO A POWER SOURCE.**



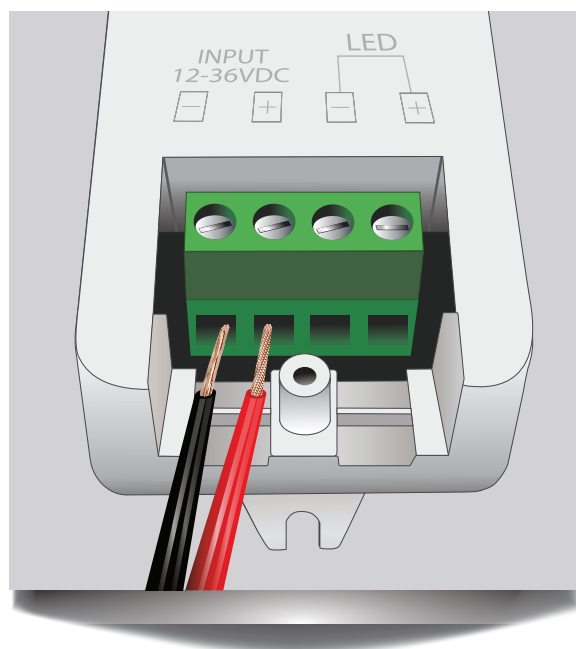
STEP 3

Open the green terminal-block slots located below the screw, by partially unscrewing the screws on the top.



STEP 4

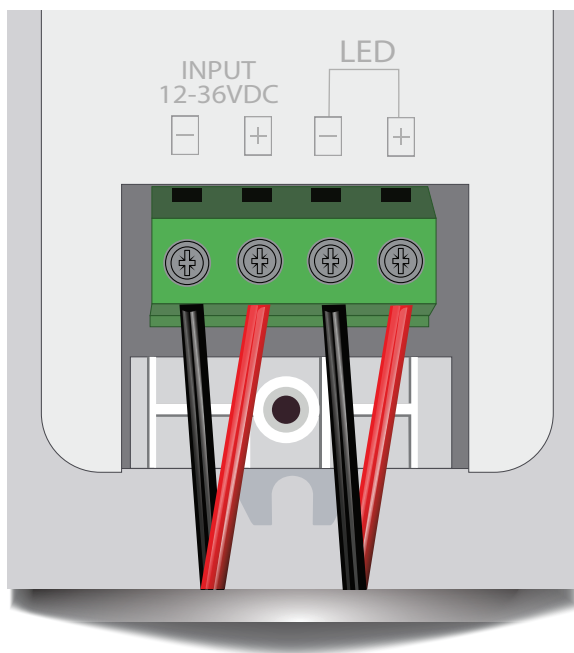
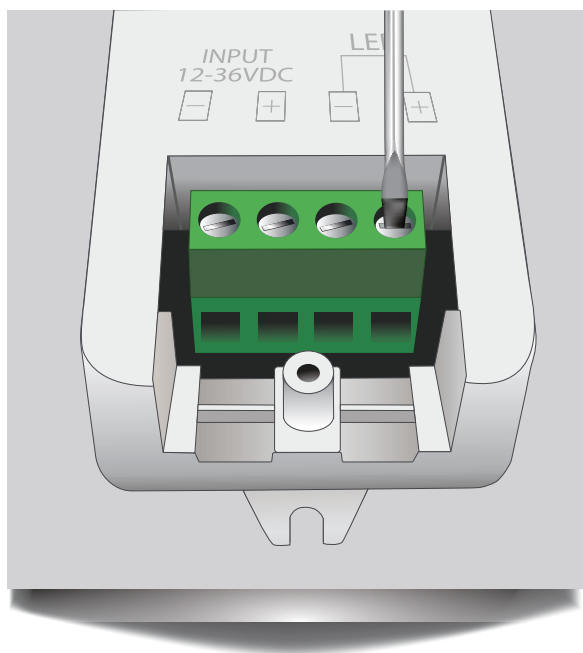
To add power, strip off about ¼-inch of the plastic jacket from the ends of the power supply wires to expose the metal strands. Twist each wire to bind the strands together for a better installation.



RECEIVER WIRING

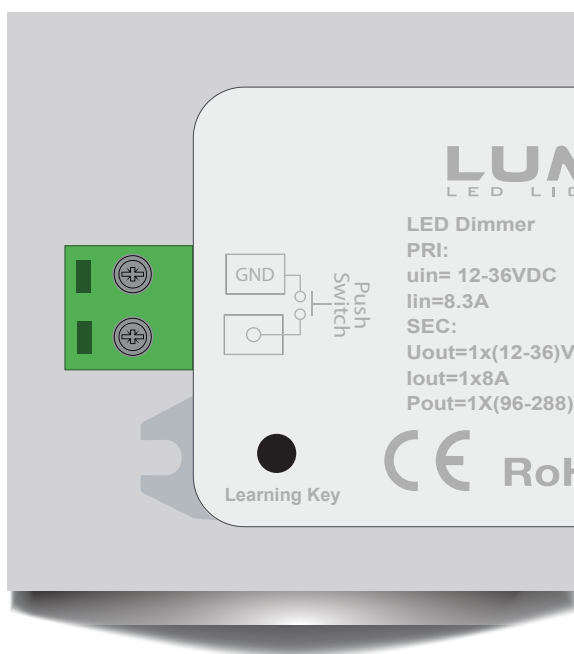
STEP 5

Strip off ¼" of the wires from the LED fixture and connect them to the "LED" side of the terminal-block by similarly following steps 2. and 3. Lightly pull the wires to test and make sure that they are strongly connected. Place back the end cap removed in step 1. Wiring is complete and you can now power up.

**STEP 6 (OPTIONAL)**

You can connect a Spring- Loaded Rocker Switch to the Dimming-Receiver to control your LED fixtures with it (on/off and dimming functions).

To do this, connect the Spring-Loaded Rocker Switch to the green "Push Switch" terminal-block with the positive wire from the switch connected to the "+" of the "Push Switch" terminal-block, and the negative wire from the switch connected to the "GND" slots.



GLASSTOUCH DIMMER WIRING

STEP 1

Once the wiring of the Dimming-Receiver to a Power Supply and LED Fixture is completed, the only remaining thing is to install the GlassTouch Dimmer and pair it to the Dimming-Receiver.

1. Identify the installation location (an available single gang box) for the GlassTouch dimmer.

Note: MUST be a single gang box unit with Live and Neutral wires inside.

2. Make sure power to the gang box is shut off from the Circuit Breaker.
3. Remove any existing switch in the gang box and bring out the wires for wiring to the GlassTouch.
4. Separate the faceplate of the GlassTouch from the backplate by pushing a slot-head screwdriver into the opening tab (see picture A) and then gently twisting the screwdriver.
5. Put the faceplate aside and take the backplate for connecting the wires in the gang box.

 **A.**



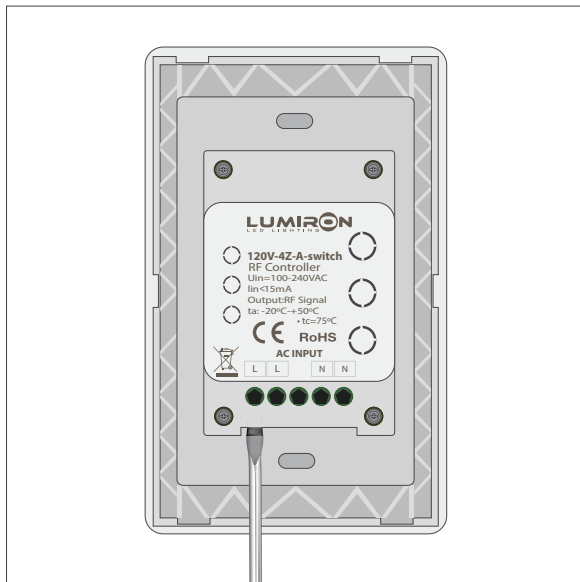
GLASSTOUCH DIMMER WIRING

STEP 2

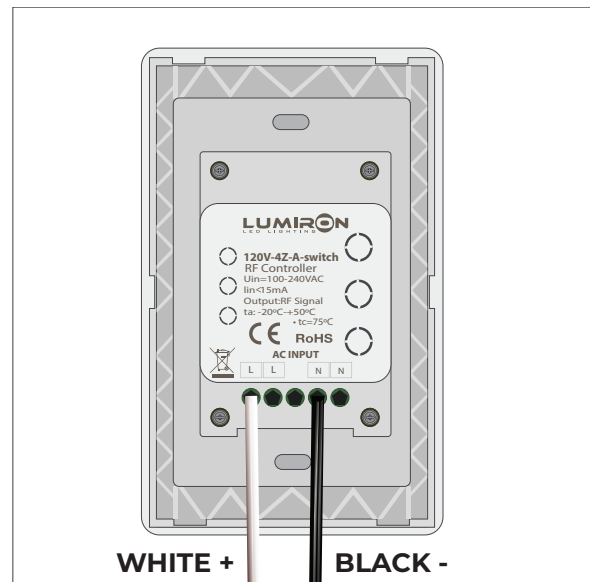
WIRING THE GLASSTOUCH DIMMER

1. Open the Screw Terminals by partially unscrewing the screws in each L and N terminal.
2. Firmly install the Live wire(s) (Black) to the “L” terminals and tighten the screws, and install the Neutral wire(s) (White) to the “N” (see picture B).
3. Lightly pull the wires to test and make sure that they are strongly connected

 **B.**



NOTE:
ONLY TO CONNECT TO AC 110V
(AC 100-240V)

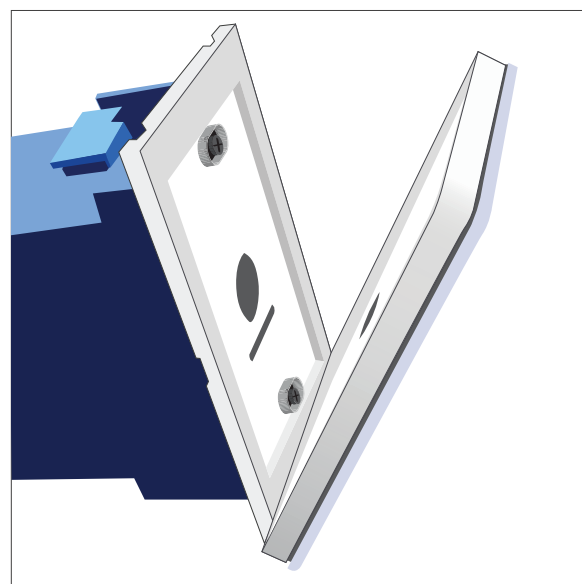
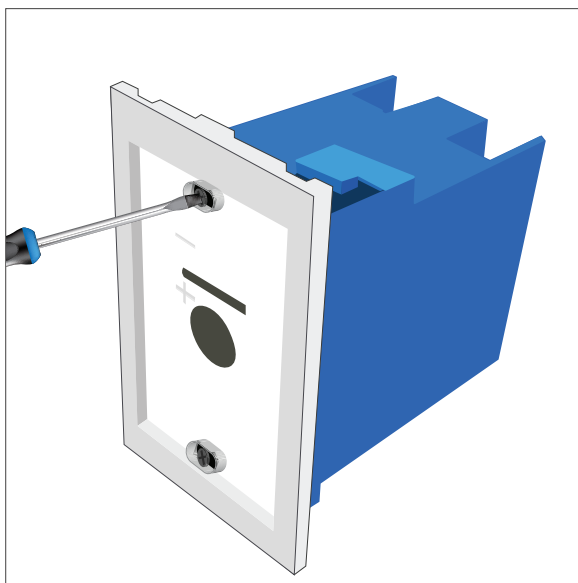


GLASSTOUCH DIMMER WIRING

STEP 3**MOUNTING THE GLASSTOUCH DIMMER**

1. Once wiring is complete, push the wires back into the gang box and mount the backplate to the gang box using the provided screws (**see picture C**).

Note: Ensure that the opening tab is located on the bottom side.



2. Install the faceplate back onto the mounted backplate. Make sure that it properly clicks in place.

Note: Ensure that the connecting pins at the middle of the backplate are not bent and that they are properly inserted into their slots on the faceplate. Lightly pull the wires to test and make sure that they are strongly connected

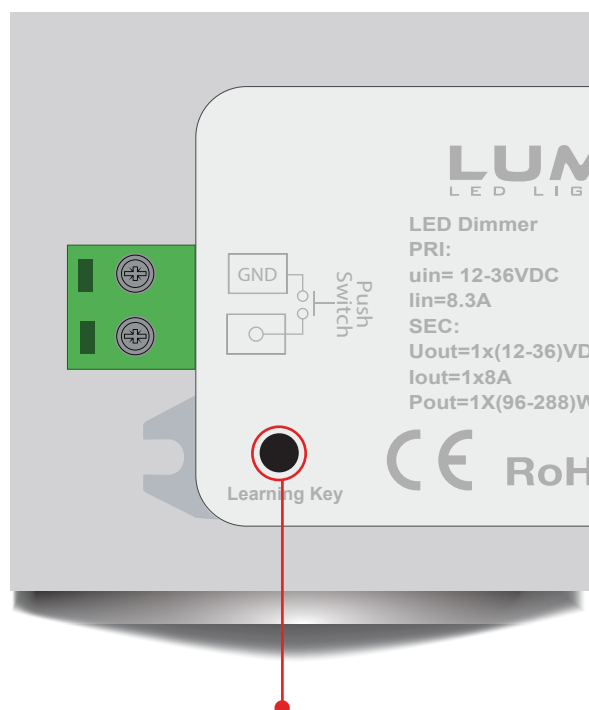


GLASSTOUCH DIMMER WIRING

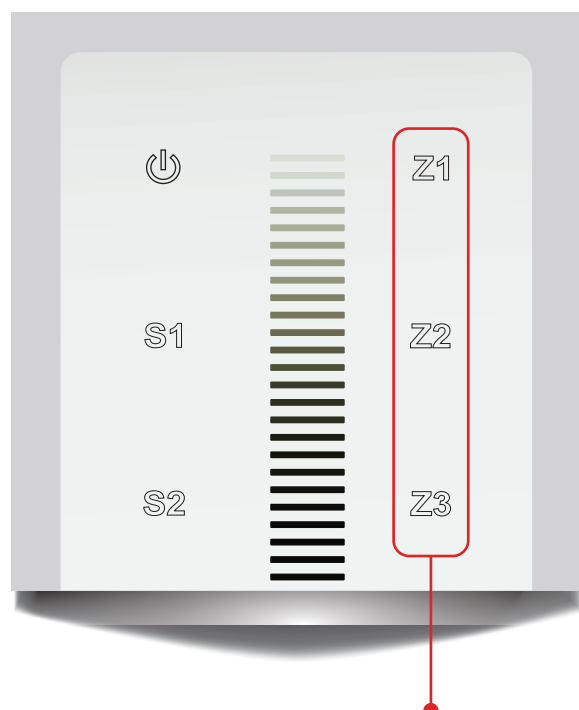
STEP 4

PAIRING THE GLASSTOUCH DIMMER TO THE DIMMING-RECEIVER

1. Push the “Learning Key” button on the Dimming-Receiver you desire to pair.
2. Push and hold the “Z” button on the GlassTouch Dimmer for the zone you desire to pair to the dimming-receiver. The lights will flash and turn off once pairing is successful.



LEARNING KEY BUTTON



Z BUTTONS

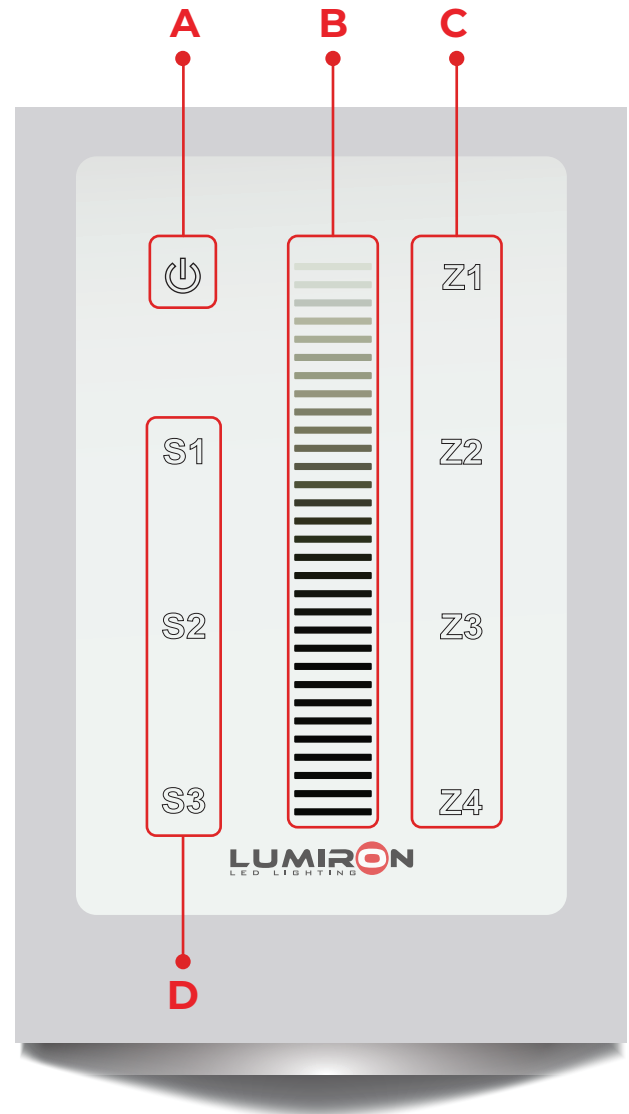
SECTION 3

4 ZONE GLASS-TOUCH CONTROLLER OPERATION

BUTTONS AND FUNCTIONS

See diagram for corresponding button numbers.

- A** • Turn ON/OFF the LED Fixtures
- B** • Control brightness of LED Fixtures by sliding up/down
- C** • Zone Selection (Zone 1 to Zone 4)
- D** • Brightness saving and recalling



- ✓ Simple tap of pad A will turn OFF the LED Fixtures
- ✓ Tap and hold of pad A. will turn OFF all the Zone
- ✓ Simple tap of any pad in C. will select the corresponding Zone for controlling it
- ✓ Tap and hold of any pad in C. will turn OFF/ON all Fixtures in that Zone
- ✓ Slide up/down of pad B will dim/brighten the LED Fixtures in the selected zone
- ✓ Tap and hold of any pad in D. (until the lights flash) will save the current brightness settings to that pad (S1-S3).
- ✓ Simple tap of any pad in D. will recall the brightness saved in that pad in the currently selected zone.

SECTION 4

TROUBLESHOOTING

THIS SECTION WILL SHOW YOU HOW TO TROUBLESHOOT THE GLASSTOUCH PRO-S 4-ZONE WIRELESS DIMMER WALL SWITCH.

- 1.** Dimmer backlights not on after installation: If the dimmer back lights are not ON after installation, check to make sure that the wiring is properly done with the Live wires connected to the “L” and Neutral wires connected to the “N”. See Wiring & Installation of GlassTouch Dimmer (Pg.4) section.
- 2.** Dimmer is working but lights not responding: If the backlights on the GlassTouch dimmer are ON and tend to brighten up in response to buttons being pressed that means it (the dimmer) is working, however, if the LED fixture is not responding accordingly then there must be pairing issues between the dimmer and dimming-receiver or issues with wiring the LED fixture to the dimming-receiver. Here is how to identify and fix the problem(s):
 - A.** Dimming-Receiver not powered correctly: Check to see that the wires from the Power Supply are properly wired/connected to the “input” side of the dimming-receiver’s terminal block with red connected to the “+” and black connected to the “-”. Ensure that there is strong contact between the wires and terminals.
 - B.** LED fixture’s cables not connected correctly: Check to make sure that the LED fixture’s wires are correctly connected to the “LED” side of the dimming-receiver’s terminal block with red connected to the “+” and black connected to the “-”. Ensure that there is strong contact between the wires and terminals.
 - C.** Dimming-Receiver not paired: Make sure that the dimmer and dimming-receiver are paired for the system to work. See Pairing the GlassTouch Dimmer to the Dimming-Receiver (pg.5) section.
 - D.** Dimming-Receiver not properly paired: First, unpair/reset the system by pressing and holding the “Learning Key” on the dimming-receiver for a few seconds until the lights flash. Then re-pair again by following the Pairing the GlassTouch Dimmer to the Dimming- Receiver instructions (Pg.5).
 - E.** Signal from GlassTouch Dimmer not getting to Dimming-Receiver: Ensure that the dimming-receiver is within 65 feet range from the dimmer and not fully enclosed in a metal box.
 - F.** GlassTouch Dimmer and Dimming-Receiver paired but lights not responding: If the lights flash during the pairing process to indicate successful pairing but do not respond thereafter, it may be due to the lights being completely dim by factory default. Therefore, press the “Learning Key” button on the dimming-receiver once, and then press and hold the brightening up button on the dimmer until the lights brighten fully. The lights should work perfectly after that.

TECHNICAL INFORMATION

4 ZONE GLASS-TOUCH CONTROLLER


- RF Signal, Touch Sensor
- DIMMABLE
- 4 Zone Control
- Input Wall Switch: 100V - 240V AC






THANK YOU



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