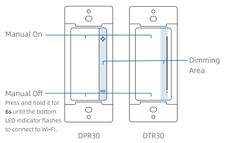
# Installation Instruction

Smart Dimmer Switch
3-Way

ELEGRP

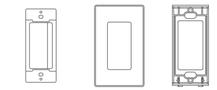
## PRODUCT INTRODUCTION



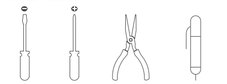

## LED INDICATOR

| | |
|---|---|
| **White** | **Power On**<br>Customizable in ELEGRP HOME App |
| **Flashing White** | **Connecting to Wi-Fi** |
| **Flashing Red** | **Disconnected from Wi-Fi** |

## WHAT'S IN THE BOX



## TOOLS NEEDED




## CHECK COMPATIBILITY

**Rating:** 120VAC, 60Hz
**Operating Temperature:** 0℃~40℃ (32℉~104℉)
**Storage Temperature:** -40℃~60℃ (-40℉~140℉)
**Wiring Type:** 3-Way

**Compatible Bulb Types**

**Max Load for Each Bulb Type**

| Bulb Type | Dimmable LED / CFL | INC / HAL |
|---|---|---|
| Max Load | 150W | 450W |

**Max Load for Multi-Devices (Exclusive for Incandescent)**

In incandescent multi-dimmer installations, the reduction of the dimmer's capacity is required.

| Single Device | Two Devices | More than 2 Devices |
|---|---|---|
| 450W | 400W | 400W |

**The white neutral wire is required to connect.** The device will not function if the neutral wire is not connected.

## BEFORE WE START

**WARNINGS:** To avoid fire, shock, or death, turn off power at circuit breaker or fuse and test that the power is off before wiring!

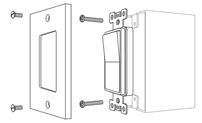
**CAUTIONS:** To reduce the risk of overheating and possible damage to other equipment, DO NOT install to control a receptacle, a motor operated appliance, a fluorescent lighting fixture, or a transformer-supplied appliance.

**AVERTISSEMENTS:** Pour éviter le feu, les chocs ou la mort, éteignez le disjoncteur ou le fusible et vérifiez que l'alimentation est coupée avant le câblage!

**ATTENTIONS:** Pour réduire le risque de surchauffe et d'endommagement possible d'autres équipements, NE PAS installer pour contrôler une prise, un appareil actionné par moteur, un appareil d'éclairage fluorescent ou un appareil alimenté par un transformateur.

**Consult a qualified electrician** if you are unfamiliar with electrical codes and regulations, or are uncomfortable performing the installation.

## REMOVE OLD SWITCH

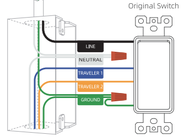


After power is turned off, remove wall plate and switch mounting screws. Carefully pull out the old switch from the wall box (do not remove wires).

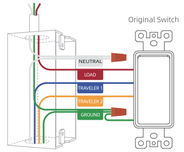
**Turn Off Power**
Before removing, turn off power at circuit breaker or fuse and use a test pencil to confirm whether power is off before wiring or servicing fixture!

## IDENTIFY THE TYPE OF CIRCUIT

**Power Source**




**To Load (Fixture)**

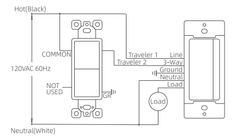



| Wire Label | Line | Load | Neutral | Ground | Traveler T1 | Traveler T2 |
|---|---|---|---|---|---|---|
| Wire Color | Black | Red or Black | White | Green or Bare Copper | unknown | unknown |

1. Turn ON the power from circuit breaker and switch OFF the light(s).
2. Turn on the test pencil and pass it through the wires connected to the common terminals (usually black) in each wall box. Blinking and beeping indicate Line wire from the wall box to Power Source. The non-response wire is the Load wire from the wall box to Load (Fixture).
3. Pass the test pencil through the other traveler terminals (usually brass) from each wall box. Blinking and beeping indicate Traveler 1. The non-response wire is Traveler 2.
4. Turn OFF the power from circuit breaker. Label the Line, Load, Traveler 1 and Traveler 2 wires from each wall box as previously identified.
5. Label the Neutral wire and Ground wire in each wall box. Neutral wires are usually white, and Ground wires are usually green / bare copper.

This smart device should be installed in the wall box that is connected to the **Load (Fixture)** and has a **NEUTRAL** wire (usually white) available.

## WIRING DIAGRAM FOR PRO




If the Neutral wire exists in the wall box to Power Source only, and the wiring in the wall box does not resemble any of these configurations, check this wiring diagram and consult a qualified electrician.

## DISCONNECT THE SWITCH TO LOAD

Disconnect the switch from the wall box to Load (Fixture).

Do not remove the original switch from the wall box connected to Power Source.

90 mm

540 mm

## STRIP WIRES




Make sure that the ends of the disconnected wires from the wall box are straight (cut if necessary).

Remove 0.6" (15mm) of insulation from each wire in the wall box.

## HOW TO USE WIRE CONNECTORS



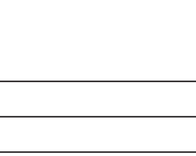
1. Insert wire into wire connectors.
2. Turn wire connectors clockwise.
3. Pull gently on wires to test connection.

**For non-standard wiring applications, refer to the following Wire Connector Size Chart:**

| WIRE CONNECTOR / # OF COND. COMBINATION CHART |
|---|
| 1-#14 w/ 1 to 2 #16 or #18<br>1-#16 w/ 1 to 2 #16 or #18<br>1-#18 w/ 1 to 3 #18 |

## CONNECT WIRES

**Power Source**




**To Load (Fixture)**




**For the original 3-way switch in the location connected to the Power Source**

1. Disconnect the Traveler 1 from the original 3-way switch.
2. Connect the Traveler 1 to the terminal screw on the switch marked "Common" , where there was a black wire labeled "Line" .

**For the smart switch in the location connected to the Load (Fixture)**

1. Check the wire identifications from the back of the smart device.
2. Match every labeled wire from the wall box with the wires of the smart device.
3. Screw on the provided wire connectors clockwise to connect wires.

If the smart device is installed in a single-pole circuit, do not connect the 3-way wire of the smart device.

## FINISH WIRING



Form all wires carefully into wall box, and mount switch with mounting screws supplied.

## MOUNT WALL PLATE



Push a flat-head screwdriver into the slot at the bottom of the faceplate. Gently pry apart the two pieces.

Use the short screws to mount the fixing plate.

Push faceplate onto the fixing plate and snap it into place.

## TROUBLESHOOTING

**After installation, the switch does not turn on?**

- Check that the bulb is properly installed and has not failed.
- Check if the circuit breaker or fuse is connected properly.
- Try swapping your Line and Load wires.

**Difficulty in connecting smart switch to a WiFi network?**

- Make sure the WiFi network is a 2.4 GHz network.
- The WiFi connection may not have good coverage. Try moving your WiFi router closer to the smart switch.

Refer to help center in the app for additional troubleshooting suggestions

## FCC COMPLIANCE STATEMENT

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.

FCC Caution: Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This product must be installed and operated with a minimum distance of 20 cm between the radiator and user body. Contains Transmitter Module FCC ID: 2ANDL-CB2S.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment. 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.

## ISED CANADA COMPLIANCE STATEMENT

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operatio n of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;

2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## RADIANTION EXPOSURE STATEMENT

This equipment complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

CAN RSS-247/CNR-247

## ONE YEAR LIMITED WARRANTY

The warranty gives you specific rights and you may also have other rights, which vary in different states and countries. Our company warrants to the original consumer purchaser that this product is free of defects in materials and workmanship for 1 year from the purchase date. This warranty does not cover labor for removal or reinstallation of the product and is void on any product installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner. Our company excludes incidental or consequential damages for breach of any warranty on this product. Some jurisdictions may not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above exclusions or limitations may not apply to you.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Website: www.elegrp.com
Email: support@elegrp.com
Search ELEGRP on social media
Call us on: 866-267-3272 Mon-Fri 9:00-17:00 EST (US)


REV 2.0

90 mm

540 mm

90*60mm




技术要求：
1.材质：150g纹理纸（三好纸业 150G 细格），双面彩色印刷。
2.公差：±1mm
3.表面光洁，无污迹、折痕；切口平整无毛刺。

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 签 名 | 日 期 | 名 称 | 说明书 | ELEGRP 益而益集团 | | |
| | | | | | 设 计 | 李星玉 | 2023.3.24 | 料 号 | G05002010030 | | |
| A2 | | | | | 标准化 | | | 材 料 | 150g纹理纸 | 版 本 | A0 |
| | | | | | 审 核 | | | 产品型号 | | 比 例 | 1:1 |
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