



IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

When using electrical equipment, basic safety precautions should always be followed including the following:

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS!

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Precautions Before Installing

- Check the label and ensure the driver has the proper input voltage and wattage for the installation. Check the wire markings to ensure they match the wiring diagrams in the **Wiring Diagrams** section.
- Prior to installation, ensure all components are a compatible system. Configure and pre-test your LED system prior to permanent installation to ensure all components are operating correctly.

Installation

1. Ensure building power supply is off at the main breaker.
2. Determine locations to install the driver & dimmer switch.
3. If necessary, remove the existing light switch.
 - Remove trim plate and switch mounting screws.
 - Pull switch from wall.
 - Identify wires connected to switch and mark wires if desired.
 - Disconnect wires from switch and remove switch from gang wall box.
4. If driver & dimmer switch is being installed in a multiple gang wall box, it is required to break off dimmer fins. (Fig. 1)
 - *Note: When fins are removed there is zero load derating. Unlike standard high voltage AC controls, removing LED driver and dimmer switch fins does not reduce the driver's maximum wattage rating.*
5. Attach voltage partition barrier in order to separate high voltage and low voltage spaces. (Fig. 2)
 - Standard Wall Boxes:
 - Align the voltage partition barrier with the opening of the card slots on both sides of the bottom shell.
 - Push vertically until the barrier is inserted into the slots on both sides of the driver & dimmer switch.
 - Shallow Wall Boxes:
 - Follow the steps for the standard wall box.
 - The partition barrier can be shortened to fit the wall box by using pliers. (Fig. 3)
 - Extra Shallow Wall Boxes:
 - If the partition barrier does not fit the wall box, it is acceptable to use the dimmer housing as a barrier. Be sure to tuck wires on the top and bottom of the dimmer housing. (Fig 4.)
 - *Note: Class 1 and Class 2 circuits in the same enclosure must be separated by a barrier unless Class 2 circuit conductors are installed in accordance with NEC Code 724.41 Class 1 Circuits. For example, Non-metallic (NM) cable is considered a Class 1 circuit conductor. Therefore, if both high and low voltage are installed with NM cable, then the barrier is not required for installation.*

Fig. 1

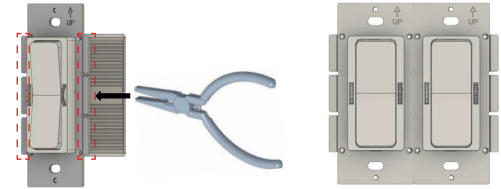


Fig. 2

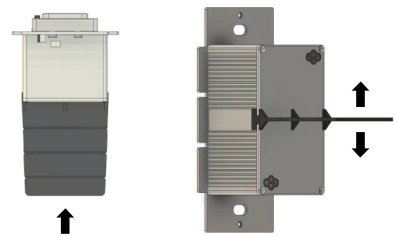


Fig. 3

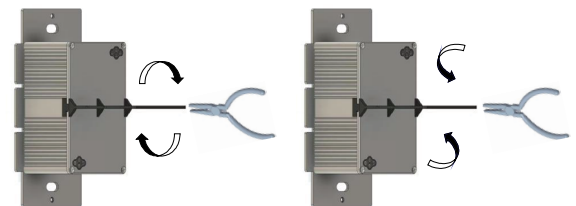
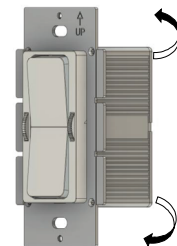


Fig. 3



6. Attach lighting load to the driver and dimming switch only using copper wiring rated for at least 300V. Refer to the **Electrical Connections** and **Wiring Diagrams** section.
 - Use applicable UL Listed wire nuts and junction box to secure wire connections.
 - Do not install different fixture types on the same power supply. Flickering and altered dimming ranges may occur.
7. Install additional components and verify connections. Turn building power supply on at main breaker.

NOTE: If system remains unresponsive or is working improperly, turn building power supply OFF and verify all connections. Review the **Electrical Connections** and **Wiring Diagrams** sections.

Electrical Connections

1. Only use certified components in accordance with national and local electric codes.
2. Ensure power is disconnected at the source.
3. Use included voltage partition barrier when installed into a gang wall box.
4. For Dimming Model (-DIM), match appropriate wires. (Fig. 5)
5. For CCT Tuning and Dimming Model (-CCT), match appropriate wires. (Fig. 6)
6. Turn building power supply on at main breaker.

Fig. 5

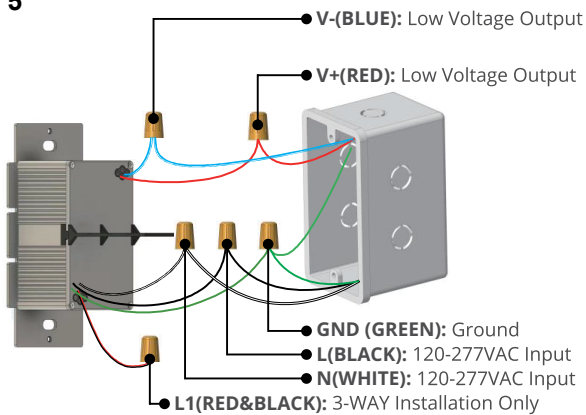
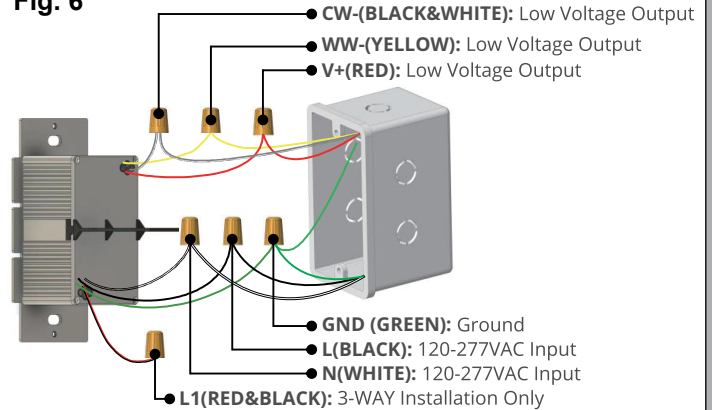


Fig. 6



Wiring Diagrams

Fig. 7 - Standard Dimming (DIM)

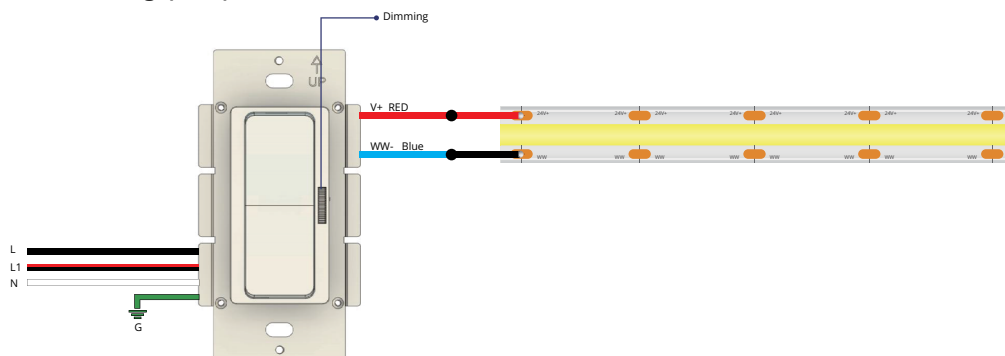


Fig. 8 - 3-Way Dimming (DIM)

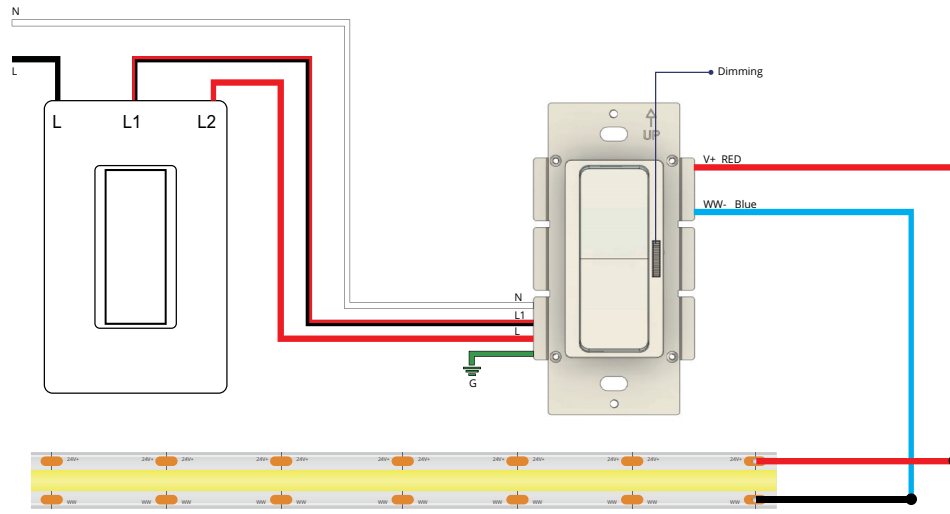


Fig. 9 - Standard Dimming (CCT)

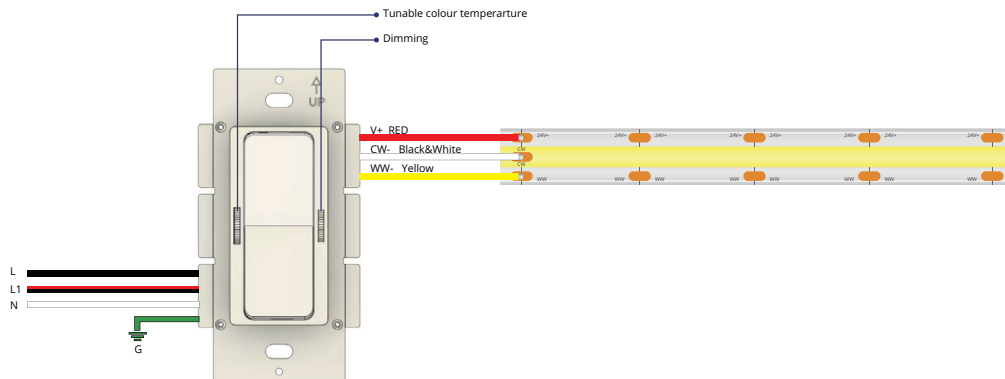
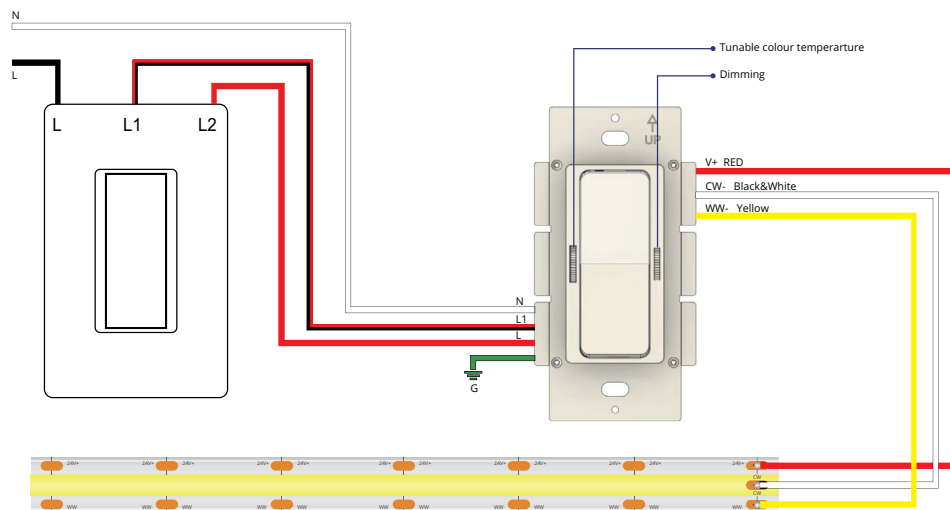
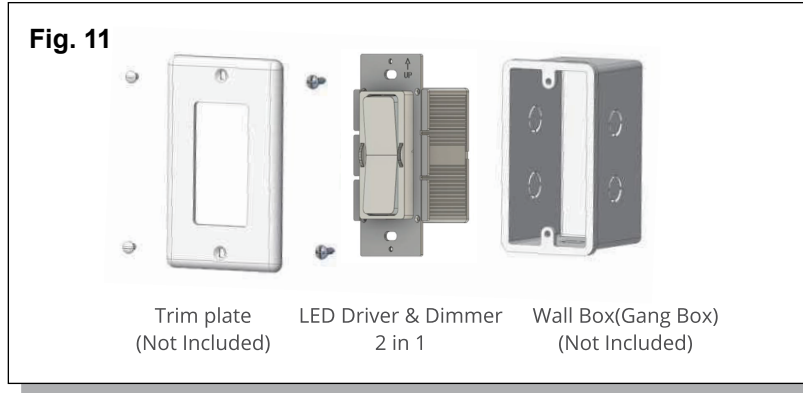


Fig. 10 - 3-Way Dimming (CCT)

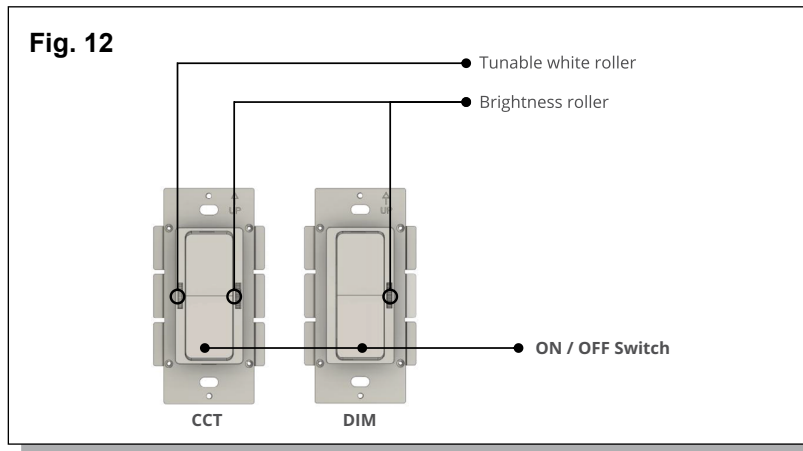


Driver and Dimmer Mounting

1. Secure the LED driver & dimmer switch onto gang wall box with the provided mounting screws.
2. Attach the wallplate onto the LED driver

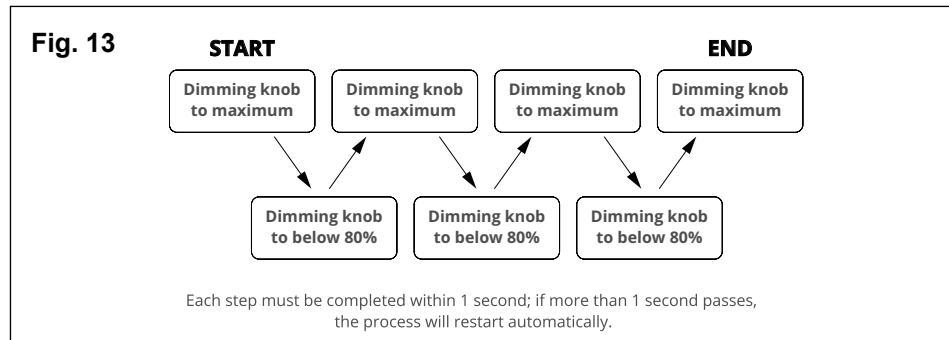


Operation and Dimming



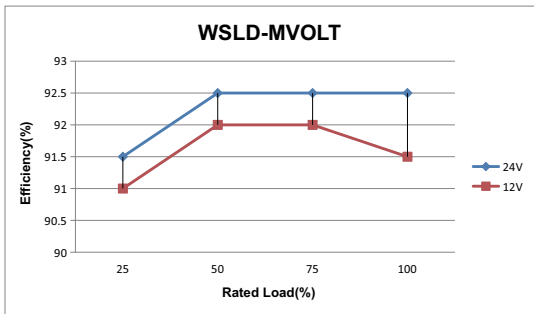
Driver & Dimmer Switch Reset

1. First power on: The power supply will automatically detect and match the 12V or 24V load.
2. After identifying the load, it will save the setting to memory (retains memory after power loss). Subsequent operations can proceed with normal power on/off procedures.
3. If changing a load with a different voltage, perform the following reset operation. Each step must be completed within 1 second. If more than 1 second passes, the process will start automatically. (Fig. 13)



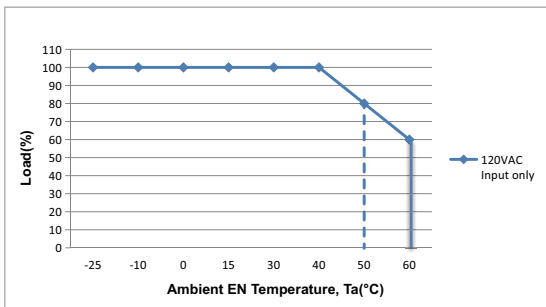
Output Load VS. Efficiency

Fig. 14



Derating Curve

Fig. 15



Dimensions

Fig. 16

