



E E Systems Group, Inc.

12346 Valley Blvd, Suite A
El Monte, CA 91732 USA
Info@eesgi.com;
1-877-579-3889 Mon.-Fri. 10am-5pm PST

2.4G Wall Type Wireless Dimming & CCT Tunable Dimmer

Cat. No. 2ATWWJKX-TWWR

1200W-120Vac, 60Hz, 1500W-277Vac, 50Hz

Only suitable for driver of 2.4G wireless CCT tunable LED fixtures produced by E E Systems Group, Inc.

INSTALLATION INSTRUCTIONS

Model: EEFPTL-ACRC-W

WARNINGS AND CAUTIONS:

- To avoid fire, shock, or death; turn off power at circuit breaker or fuse and test that power is off before wiring or servicing fixture!
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult an electrician.

WARNINGS AND CAUTIONS:

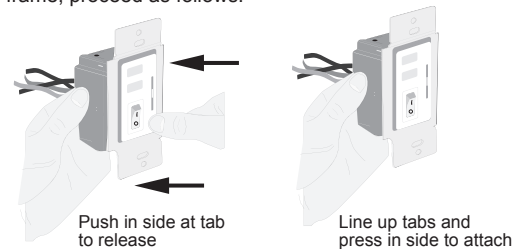
- Use one dimmer in a 3- or 4-way circuit. The switch(es) will turn the light on at the brightness level selected at the dimmer.
- Lighting fixture and dimmer must be grounded.
- Use this device only with copper or copper clad wire.

Tools needed to install your Dimmer

Slotted / Screwdriver Pencil Electrical Tape Cutters Pliers Ruler

Changing the color of your Dimmer

Your Dimmer includes three color options. The Dimmer ships with the White frame attached. To change color of frame, proceed as follows:



Note: Move slider on dimmer and slider on change kit to bottom of the slide bar prior to engaging.

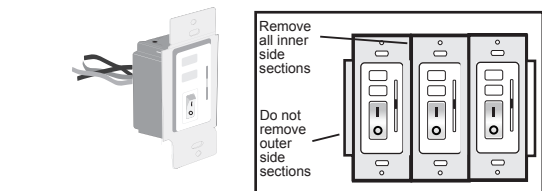
Installing Dimmer by itself or with other devices

If installing Dimmer in a single device application, proceed with the INSTALLING YOUR DIMMER section. If installing Dimmer in a multi-device application, proceed as follows:

MULTI-DEVICE APPLICATION:

NOTE: You only need to remove side sections if installing with other dimmers or if it does not fit in wall box – not when installing with mechanical switches.

When installing more than one dimmer in the same location, the side sections of the mounting strap must be removed. Use pliers to carefully bend side sections back and forth until they break off.



Bend back and forth to remove side section

Note: No derating is required in this multi-device installation as referenced in the following chart.

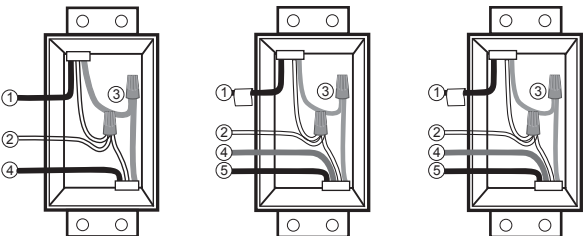
MAXIMUM LOAD PER DIMMER FOR MULTI-DEVICE				
Cat. No.	Volts	Single	Two Gang	More than 2 Devices
2ATWWJKX-TWWR	120 277	1200VA 1500VA	1200VA 1500VA	1200VA 1500VA

MAXIMUM BULB WATTAGE:

The maximum number of loads per dimmer is based on the sum of the load ratings. For example, one dimmer can carry a maximum of 24pcs 50W LED fixtures when the voltage is 120Vac; when the voltage is 277Vac, a maximum of 30 can be carried.

Step 2 Identifying your wiring application (most common):

NOTE: If the wiring in the wall box does not resemble any of these configurations, consult an electrician.



Single-Pole
1. Line (Hot)
2. Neutral
3. Ground
4. Load

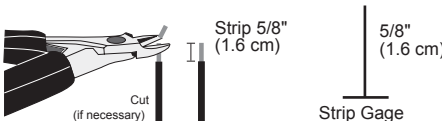
Single-Multi way
1. Line (Hot)
2. Neutral
3. Ground
4. First load
5. Second load

Multi switch-single way
1. Line (Hot)
2. Neutral
3. Ground
4. First load
5. other switch (regular switch or this product)

IMPORTANT: When single control single pole and single control multi-way, connect the load line to the red line of this product whose label marked with “output”. When multi control single way, connect the load line to the red line of this product whose label marked with “output”, and connect the other switch line to another red line of this product.

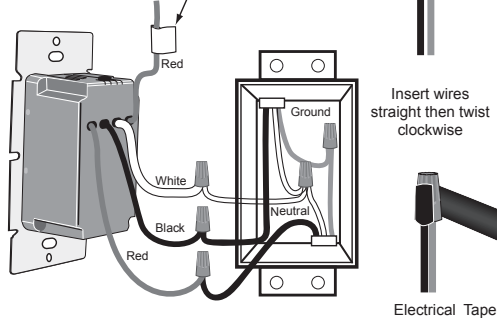
Step 3 Preparing wires:

- Pull off pre-cut insulation from Dimmer leads.
- Make sure that the ends of the wires from the wall box are straight (cut if necessary)
- Remove 5/8" (1.6 cm) of insulation from each wire in the wall box (shown).
- For Single-Pole Application, go to Step 4A.
- For 3-Way Application, go to Step 4B.



Step 4A Single-Pole Wiring Application:

This wire is used in 3-way installations only. For single pole installations, do not remove this insulating label.



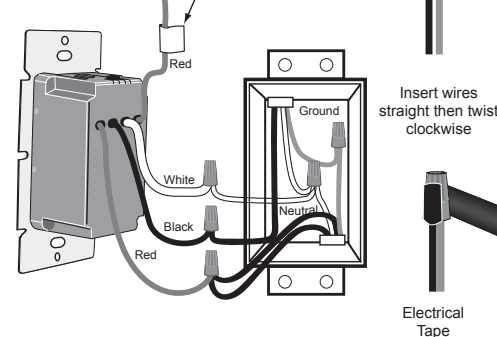
Connect wires per WIRING DIAGRAM 1 (shown on page 2) as follows:

Screwing wire nuts on clockwise ensures no bare conductors showed below the wire connectors. Secure each connector with electrical tape.

NOTE: Connect the ground wire of the fixture to the ground wire in the line. Connect the black wire of this product to the live wire in the wire. Connect the white wire of this product to the neutral wire in the line. Connect the red line marked with output to the load in the line. The remaining red lines are not connected

Step 4B Single-Multi way Application:

This wire is used in 3-way installations only. For single pole installations, do not remove this insulating label.



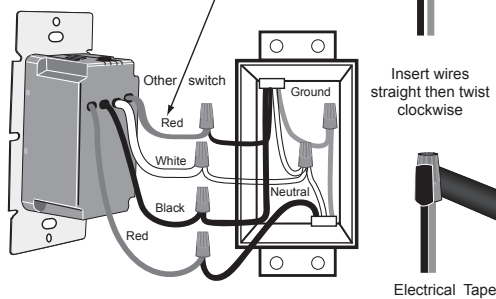
Connect wires per WIRING DIAGRAM 1 (shown on page 2) as follows:

Screwing wire nuts on clockwise ensures no bare conductors showed below the wire connectors. Secure each connector with electrical tape.

NOTE: Connect the ground wire of the fixture to the ground wire in the line. Connect the black wire of this product to the live wire in the wire. Connect the white wire of this product to the neutral wire in the line. Connect the red line marked with output to the all load in the line. The remaining red lines are not connected

Step 4C Multi switch-single way Application:

This wire is used in 3-way installations only. For single pole installations, do not remove this insulating label.

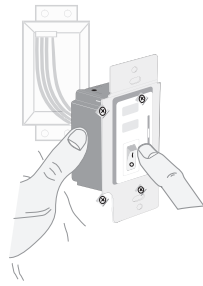


Connect wires per WIRING DIAGRAM 1 (shown on page 2) as follows:

Screwing wire nuts on clockwise ensures no bare conductors showed below the wire connectors. Secure each connector with electrical tape.

NOTE: Connect the ground wire of the fixture to the ground wire in the line. Connect the black wire of this product to the live wire in the wire. Connect the white wire of this product to the neutral wire in the line. Connect the red line marked with output to the load in the line. Connect the remaining red wire to another switch.

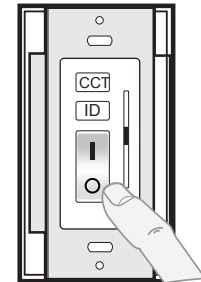
Step 5 Testing your Dimmer prior to mounting in wall box:



- Restore power to the circuit breaker or fuse.
- As shown in the figure, 1. Check the line connection turning on the switch button ensures the light turned on, then press the off button to turn off the light. 2. press the "ID" key and hold on 3 seconds then turn on switch button At this time, you can see that the fixture will blink three times to prove the code matching is successful.

OPERATION

NOTE: After the code is successfully matched, the button is used as follows.



ON/OFF:
Depress push-button switch to ON position - Lights will turn ON.

Depress push-button switch to OFF position - Lights will turn OFF.

BRIGHTEN & DIM:
Move slider control lever - Lights will BRIGHTEN or DIM

CCT button :
3000K/3500K/4000K/5000K

Save color temperature and brightness:

Press ID + CCT to 5-7S, the lamps flashes once then the current color temperature and brightness are saved.

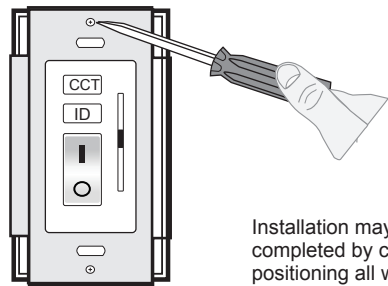
Note: When saving, you need to press the ID button first and then press the CCT button, otherwise it will cause the color temperature be changed once and then saved.

Copy function with the handheld remote control:

Press and hold the CCT button of the wall remote control until the indicator light is on , then press the ID button of the handheld remote control. (Copy group is number + ID), then the wall remote control is copied successfully.

NOTE: Since the signal receiving range of this product is 98ft, please make sure that the installation distance between the switch and the fixture is within this range.

Step 6 Dimmer Mounting: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE.



Installation may now be completed by carefully positioning all wires to provide room in wall box for dimmer. Mount dimmer into box with mounting screws supplied. Attach wallplate.

TROUBLESHOOTING

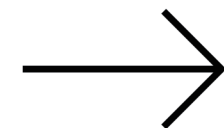
- Lights Flickering
 - Fixture has a bad connection.
 - Wires not secured firmly with wire connectors.
- Fixture does not turn ON
 - Circuit breaker or fuse has tripped.
 - Fixture is burned out.
 - Fixture Neutral connection is not wired.

For non-standard wiring applications, refer to Wire Nut and Connector Size Chart

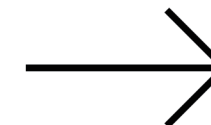
WIRE CONNECTOR / # OF COND. COMBINATION CHART

1- #12 w/ 1 to 3 #14, #16 or #18
2- #12 w/ 1 or 2 #16 or #18
1- #14 w/ 1 to 4 #16 or #18
2- #14 w/ 1 to 3 #16 or #18

Step 7 Restore Power: Restore power at circuit breaker or fuse. Installation is complete.



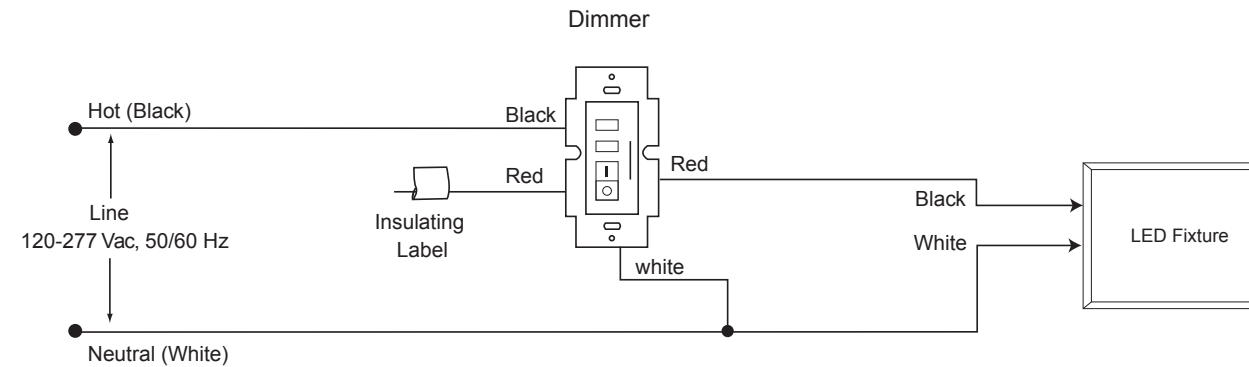
AC and Wireless



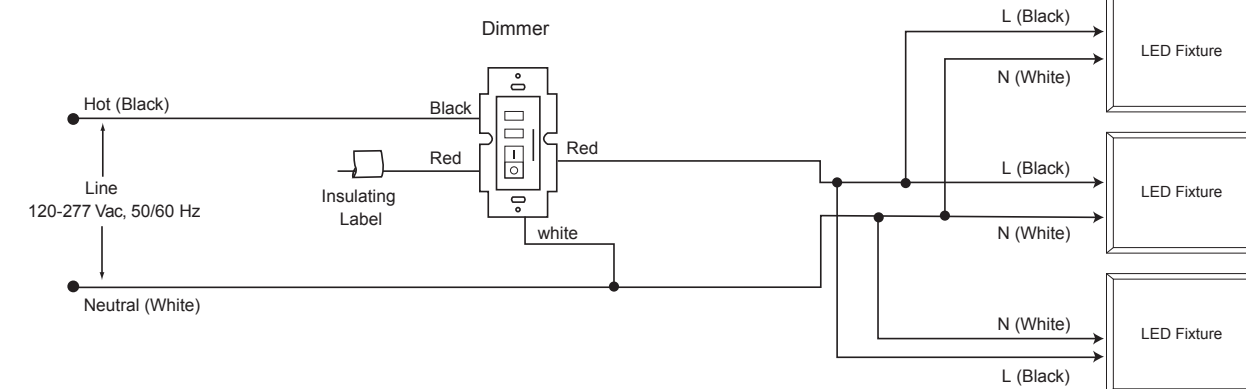
Best Combine



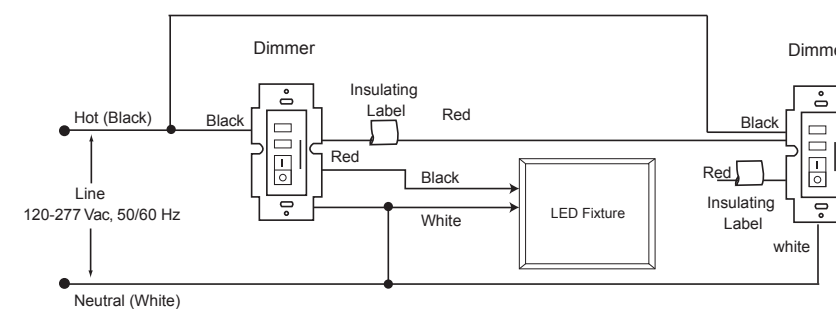
Wiring Diagram 1 : Single-Pole Control



Wiring Diagram 2 : Single-Multi way Control



Wiring Diagram 3A : Multi switch-single way



Wiring Diagram 3B : Multi switch-single way

