

Mini Touch Conductive Dimmer with Receiver

Part number: **dim-pro-mini-metal**



The Mini Touch Conductive Dimmer with Receiver turns a conductive metal surface into a touch control for single color LED lights. The sensor tip can be easily secured to any metal surface up to a meter away from the dimmer housing. That surface or object will serve as the on/off switch and dimmer control for up to 8-amperes of LED lighting. Tap anywhere on the conductive surface to cycle through 4 levels of brightness and to turn the lights off.

Features

- Turns any conductive surface into a dimmer switch.
- Compact size and 1 meter sensor cable allows the housing to be mounted out of sight.
- Easy to install.
- Works with any Single-Color LED strip light that uses 12-24V DC.
- Supports up to 8A of current.
- Does not require any additional batteries or controller.

Applications

- Lighting where a traditional switch or controller would be unsightly or difficult to place.
- LED channel lighting: just touch the channel to control the light.
- Get creative! Any metal surface within reach can become an LED light switch

Specifications

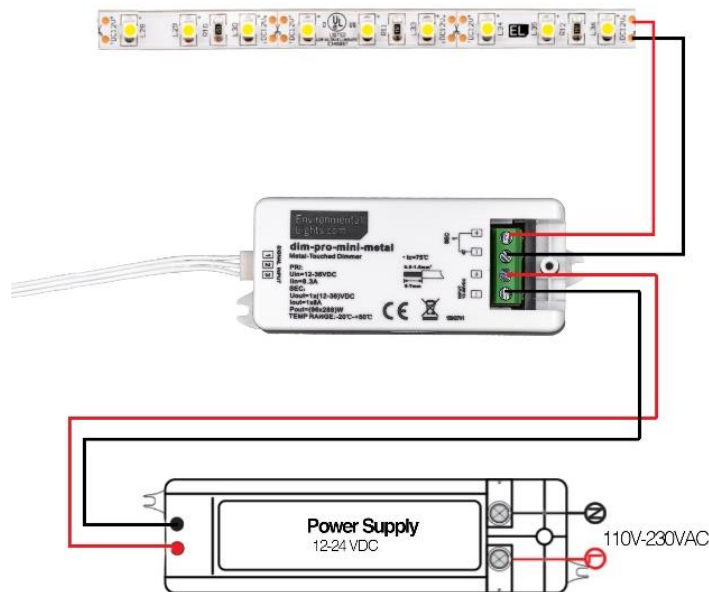
Dimensions:	1.46" x 3.78" x 0.83" 37 mm x 96 mm x 21mm
Sensor Length	1m or 3.27ft
Channels:	1
Input voltage:	12-36 Volts DC
Max. current load:	8A
Max. output power:	96W/192W/288W (12V/24V/36V)
PWM frequency:	2400Hz



Operating Instructions

Select the surface or object you will be using as the switch.

1. Secure the sensor ring to it using a screw and washer if necessary and plug the 3-pin connector into the receptacle on the dimmer.
2. Connect the input LED strip light power wires to the secondary “+” and “-” terminals on the dimmer.
3. Verify that the DC power supply is off and that the output voltage matches the required voltage of the LEDs. Connect the power supply, 12-24V **as required by the LEDs**, to the “+” and “-” input terminals.
4. Turn the power supply on. The LEDs can be controlled by touching the metal surface. Tap repeatedly to cycle through all of the brightness levels and to turn the lights off.



Safety Precautions

Please take the following precautions:

1. This equipment, like all electrical equipment, should be installed by a qualified person.
2. Do not expose these LEDs, dimmers or power supplies to intense electro-magnetic fields, including lightning.
3. The controllers and power supplies are not waterproof. Keep them dry.
4. Always observe proper polarity.

When installing LED lighting, it is a good idea to follow this “dry-run” procedure:

1. Be sure you have everything you need before you start.
2. Lay out your lights and power supply on the floor or table.
3. There is some resistance in the LED lighting. If you see any color fading or dimming at the end of a long run, you may have too many LEDs for your power supply and you might need a bigger supply or shorter runs. Use a bus structure as described in [rgb_manual.pdf](#). Call if you need assistance with larger projects.
4. Connect everything and test it to be sure it works and you have it connected properly. It is unlikely, but possible, that some part of your system is defective or was damaged during shipment. If that is the case, it will be very helpful to you to know that before you do all the work involved in installing custom LED lighting systems. You will also know if you damage anything during installation, which is really helpful in trouble-shooting because manufacturing defects and installation damage typically have very different solutions.

Once you have tested the system successfully, you are ready to install it. We recommend you install LEDs, electronic controls and dimmers in such a way that you have access to them in case they fail. All electrical components can fail.