

**0-10V Preset Dimmer**  
For use with: 0-10V Lighting Control Devices

**Operation**

The 0-10 volt low-voltage lighting control provides dimming control for 0-10 volt compatible LED drivers, fluorescent ballast and HID ballast. Minimum light level (low-end) shall be adjusted to optimize performance.

**Important Notes**

Please read before installing

1. Turn off power at circuit breaker or fuse before wiring.
2. Only one dimmer can be used per 3-way circuit.
3. It is normal for the dimmer to feel warm to the touch during operation.
4. **FOR SUPPLY CONNECTOR, USE WIRES RATED FOR AT LEAST 75°C and USE COPPER WIRE ONLY.**

**CAUTION** - To Reduce The Risk of Overheating and Possible Damage to Other Equipment, Do Not Install to Control a Receptacle, a Motor-Operated Appliance or a Fluorescent Lighting Fixture or a Transformer Supplied Appliance.

**Multi-gang Installation Sheet (Without Power Pack):**

Cat. No.	Device Rating	Single-Gang Rating	Double-Gang Rating	Triple-Gang Rating
DM10-720W-SL-3-WH-V1	120V AC, 50-60Hz, 6A 277V AC, 50-60Hz, 3A CFL/LED/Electronic self-ballasted	120V AC, 50-60Hz, 6A 277V AC, 50-60Hz, 3A CFL/LED/Electronic self-ballasted	120V AC, 50-60Hz, 6A 277V AC, 50-60Hz, 3A CFL/LED/Electronic self-ballasted	120V AC, 50-60Hz, 6A 277V AC, 50-60Hz, 3A CFL/LED/Electronic self-ballasted

**Installation**

**1. Turning power OFF.**

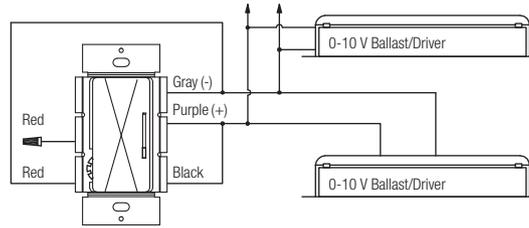
- Turn power OFF.

**2. Wiring the Dimmer.**

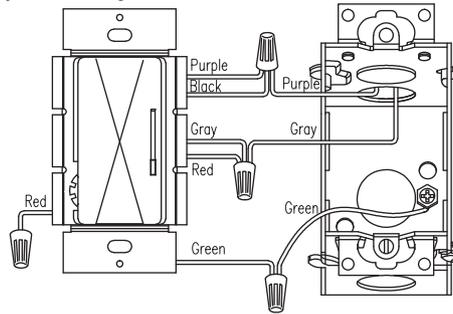
**A. Dimming Only Wiring / Not Using ON/OFF Feature**

In this configuration, only the dimming wires are connected to the LED fixtures, and an infinite number of LED fixtures may be installed in this circuit.

*Power wiring not shown—see lighting device for wiring*



**Dimming Only Wallbox Wiring**



**Note:** Wire locations will vary. Reference wires by color not location

**B. Dimming With ON/OFF Control (MAX 720W)**

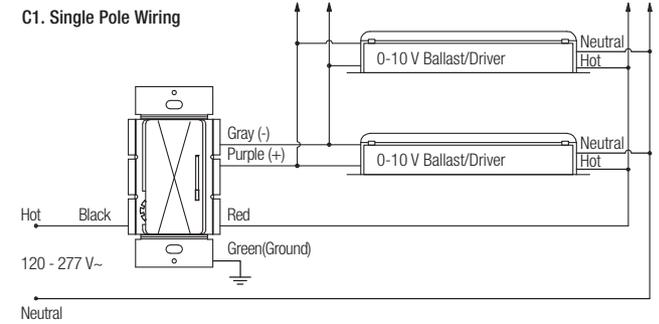
120-277 V~ 50 / 60 Hz

In this configuration, the power of all LED fixtures in the circuit are passed through this dimmer with a MAX of 720W.

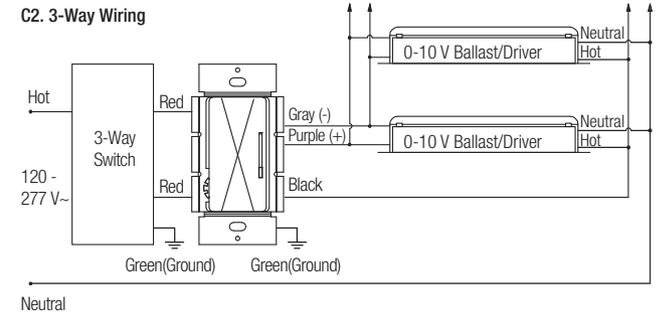
Connect the 0-10 V Control

Wire the controls according to the appropriate wiring diagram shown below and on the ballast/driver.

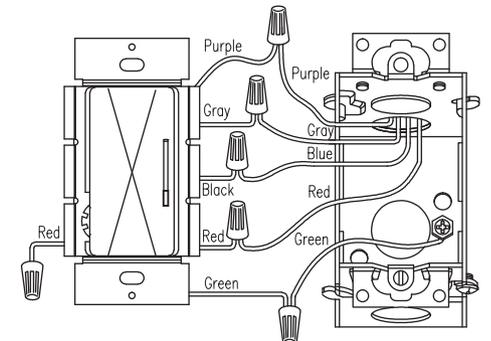
**C1. Single Pole Wiring**



**C2. 3-Way Wiring**



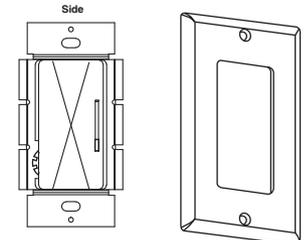
**Dimming With ON/OFF Control Wallbox Wiring**



**Note:** Wire locations will vary. Reference wires by color not location.

**3. Mounting dimmer to wallbox.**

Push wires carefully into the wallbox, Install wallplate.



**4. Turning power ON.**

Turn power ON.

**Dimming Range Adjustment**

1. Push dimmer on and move slider down to the bottom.
2. Turn knob down until lowest light level is achieved and light output is stable for all bulbs.
3. Turn dimmer off, then back on to verify bulbs.
4. Turn knob up lightly and do step 3 again if all bulbs do not turn on.

**LIGHTS DO NOT OPERATE AT FULL BRIGHTNESS:**

Push slide up. Turn high-end knob clockwise with a screwdriver to achieve maximum light intensity.

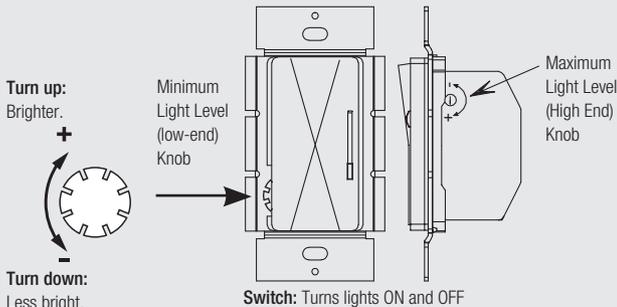
**LIGHTS DO NOT DIM LOW ENOUGH:**

Push slide down. Turn the low-end knob counter-clockwise to achieve minimum light intensity.

**Sensitivity Knob**

**Slider:** Controls light level.

Up increases light level, down decreases light level.



**IMPORTANT:** To avoid lights turn off or flicker at low end: Push slide down. Turn the low-end knob clockwise until the lights remain on without flickering.