RD

# RELAY DIMMING<sup>TM</sup> LED TROFFER DIMMING SOLUTION NO WIRELESS RF, NO PLC, NO WI-FI



- -PERFECT FOR LED RETROFITS
- -NO NEED TO RUN 0-10V LOW VOLTAGE WIRES
- -NO PROGRAMMING NO COMMISSIONING
- -MODULE INSTALLS IN 30 SECONDS
- -CA TITLE 24 REQUIRES DIMMING







# Relay Dimming

Add dimming to LED Troffer installations at the lowest cost in parts and labor.

**The Problem:** Over the next 10 years almost all office lighting will transition to LED both in new and retrofit installations. Installers and designers need a method to change the illumination level of LED troffer fixtures that is easy to install, works well, dims and brightens smoothly, and doesn't suffer from flickering at low illumination levels.

**The Solution:** Powerline Control Systems, Inc. has patented a new method called Relay Dimming that offers many advantages. Relay Dimming uses the standard mechanical relay in wall switches or occupancy sensors to send messages to our simple low-cost receiver modules installed in any standard LED fixture with a 0-10V driver. Functioning together, smooth dimming to any level is easily achieved.

## **Relay Dimming - Wall Switch Dimmer**

### **FEATURES AND BENEFITS:**

- Full featured dimming
- Single-tap: top 100% bottom: Off. Double tap: top 40% bottom 10%
- If needed, field adjustable levels in switch to "tune" for the site
- No new wires means a 2-person job is now a 1-person job
- Bid the job without investigating wiring complexity
- No programming or commissioning needed operates right after install
- Parts cost equal to the older, less functional method of using a low-voltage switch
- Switch has occupancy sensor input if needed
- Switch has 3-way (traveler) control possible with available remote-switches
- The easiest least-expensive way to meet Title 24 dimming requirement
- Win retrofit and new install jobs with less effort and better function
- Wall Switch Dimmer and Remote Switch available in White (W), Light Almond (LA), Ivory (I)

# **Receiving Module 0-10V**

### **FEATURES AND BENEFITS:**

- Needs no low-voltage control wires between control point and fixture
- Utilizes patented "relay" communication, no PLC, no RF wireless, no Wi-Fi
- Fast install receiver module installs in fixture in less than 30 seconds
- No commissioning, programming or addressing
- Dimmer can only control receivers on its own controlled power circuit
- Requires no mounting, just connect the four wires, L, N, Dim+, Dim-
- Universal module for 120V or 277V

| Product Name                                      | Part Number         | Availability |
|---|---------------------|--------------|
| Relay Dimming- Wall Switch Dimmer, 120V/277V, 15A | WS-120V-X/WS-277V-X | Feb 2018     |
| Receiving Module 0-10V                            | RM-0-10V            | Feb 2018     |
| Remote Switch for 3-way 120V/277V                 | RWS-X               | Feb 2018     |