

**Simplicity<sup>®</sup>**  
**PHOTO SENSOR** *for interior applications*

Using 0-10VDC LED Drivers & Fluorescent Dimming Ballasts  
 2 Wire, Loop Powered, Analog 0-10VDC



[ CORRECT ORIENTATION SHOWN ]

PROJECT	
LOCATION	

**FEATURES**

- Compatible with 0-10VDC LED Drivers and T8 and T5 Electronic Dimming Ballasts
- Measuring range 0-140fc, adjustable at the sensor
- Response color matched to human visual response range
- Flat Fresnel lens provides narrow response radius
- Adjustable response time of 10 or 20 seconds
- Output 0-10VDC
- UL 916 Listed
- Made in U.S.A.
- ARRA project compliant
- Compliant with California Title 24
- 1 year warranty

**DESCRIPTION**

The **Simplicity<sup>®</sup>** Photo Sensor is a two wire, loop powered, analog photo diode sensor which provides light level control of 0-10VDC LED drivers or fluorescent electronic dimming ballasts. The **Simplicity<sup>®</sup>** Sensor is available as an indoor model used in offices and classrooms. It mounts on the ceiling using an adhesive pad and a 1/2" hole in the ceiling.

**Simplicity<sup>®</sup>** Photo Sensors are powered by a LED driver or electronic ballast's low voltage source. The sensor can control LED's or up to 50 electronic dimming ballasts. The sensor's Fresnel lens sees light reflected within a 60° angle from furnishings and the floor providing a narrow response radius.

The response time is adjustable by cutting a wire loop. **Simplicity<sup>®</sup>** Photo Sensors are UL 916 listed, low voltage Class 2 wiring devices.

The **Simplicity<sup>®</sup>** Photo Sensor can be used with the optional Slide Controller switch. LED's or electronic dimming ballasts are switched ON and OFF using the slide switch. The Slide Controller switch is used in conjunction with the **Simplicity<sup>®</sup>** Photo Sensor with the lower input driving the LED's or dimming ballasts.

**NOTE: When using the Photo Sensor and the Slide Controller switch together, please use the Slide Controller switch ratings.**

# TECHNICAL DATA - SIMPLICITY® Photo Sensor

Input Voltage:	10VDC (supplied by LED driver or fluorescent ballast)
Current:	Sink up to 25mA
Low Output:	0VDC
High Output:	10VDC
Adjustment:	Range Response 10-140fc Time Response 20 seconds, (10 seconds if cut whitelgreen loop)
Operating Temperature:	-13°F to 140°F
Accuracy:	+/- 1% at 70°F (21°C)
Tolerance:	Repeatability 12% Linearity +/- 0.5% Temperature 1%+/- 10%
Wiring:	Violet: Input Voltage Gray: Sinking Voltage White/Green: This wire loop controls the sensor response delay, leave intact for 20 second delay, cut for a 10 second delay
Compliance:	NIST traceable factory calibration NEC Class 2 ; RoHS; California Title 24 U.L. 916 Listed AARA project compliant
Light Sensitivity:	0-140 fc, adjustable at the sensor

