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More than lighting. Solutions.

Project Name: _____

Part Numbers: _____ Date: _____

[CORRECT ORIENTATION SHOWN]

Features

- Compatible with T8 and T5 Electronic Dimming Ballast
- Measuring range 0-140fc
- NIST traceable factory calibration
- Output 0-10V
- Adjustable response time
- Indoor sensor is adhesive ceiling mountable
- UL 916 Listed
- Compliant with California Title 24

The EDS Sensor is a two wire, loop powered, analog photosensor which provides light level control of fluorescent 0-10VDC electronic dimming ballasts. The EDS sensor is available as an indoor model used in offices and classrooms. It mounts on the ceiling using an adhesive pad and a ½" hole in the ceiling.

IRIS Sensors are powered by a T5 or T8 ballast's low voltage source. Both types of ballasts have one output range of 0-10VDC. The sensor can control up to 50 electronic dimming ballasts. The sensor's Fresnel lens sees light reflected within a 60° angle from furnishings and the floor.

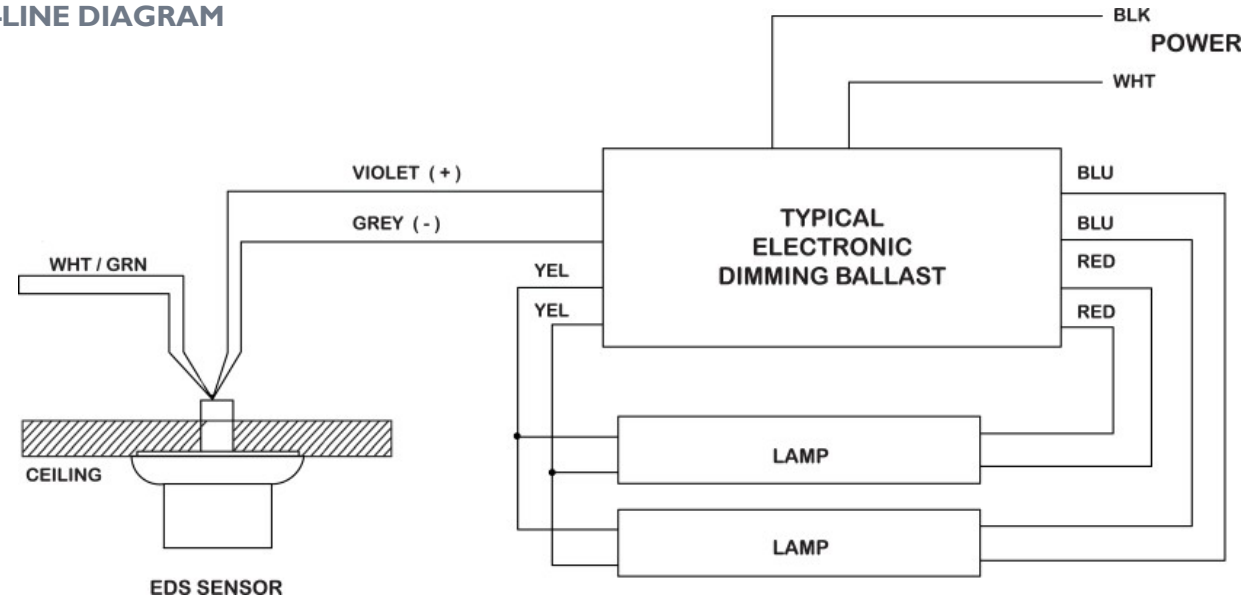
Typical Applications: [It is calibrated using a 25 turn potentiometer with a range of 10 to 140fc. The response time is changeable by cutting a wire loop. All EDS sensors are UL 916 listed, low voltage Class 2 wiring devices. Custom wire lengths, lens and housing modifications are also available.

The EDS sensor can be used with the optional PS-010 switch and power switch. Electronic dimming ballasts are switched on and off using the power switch. The PS-010 is used in conjunction with the EDS sensor so that the lower input will drive the dimming ballasts.

NOTE: When using the EDS sensor and the PS-010 together, please use the Slide Control switch ratings.

PART NUMBER	DESCRIPTION
EDS	PHOTODIODE SENSOR/CONTROLLER

ONE-LINE DIAGRAM



Technical Details

FUNCTIONALITY	• Range Response: 10-140fc • Time Response: 20 sec, cut white/green loop 10 sec • Accuracy: +/- 1% at 70°F (21°C) • Repeatability: 12% • Linearity: +/- 0.5% • Temperature: 1% +/- 10%
INPUT VOLTAGE	• 10VDC (supplied by ballast)
OUTPUT VOLTAGE	• 0-10VDC
RANGE	• 150’ clear line of site. • 50’ through standard walls • Distances may vary based on location, environment, and materials. Additional devices may be required at the time of commissioning to ensure Bluetooth network integrity. • Recommended to be installed in a plastic gang box to achieve better performance.
APPROVALS	• NEC Class 2 ; California Title
ENVIRONMENT	• -13°F to 140°F Operating Temperature
WIRING	• Violet: Input Voltage • Grey: Sinking Voltage • White/Green: This wire loop controls the sensor response delay, leave intact for 20 sec. delay, cut for a 10 sec. delay
WARRANTY	• 2-year