PLC Multipoint

PROJECT

LOCATION

EDS

Photodiode Sensor/Controller
For 0-10V Dimming Ballasts and LED Drivers
2 Wire, Loop Powered, Analog 0-10V

FEATURES

- Compatible with T8 and T5 Electronic Dimming Ballast and LED Drivers
- 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
- 5 year warranty

DESCRIPTION

The EDS Sensor is a two wire, loop powered, analog photosensor which provides light level control of fluorescent 0-10VDC electronic dimming ballasts and LED drivers. 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 or LED driver's low voltage source. The sensor can control up to 50 electronic dimming ballasts or drivers. The sensor's Fresnel lens sees light reflected within a 60° angle from furnishings and the floor. 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 or LED drivers 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 or drivers.

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

M·Series
PLC Sensors
Control Devices

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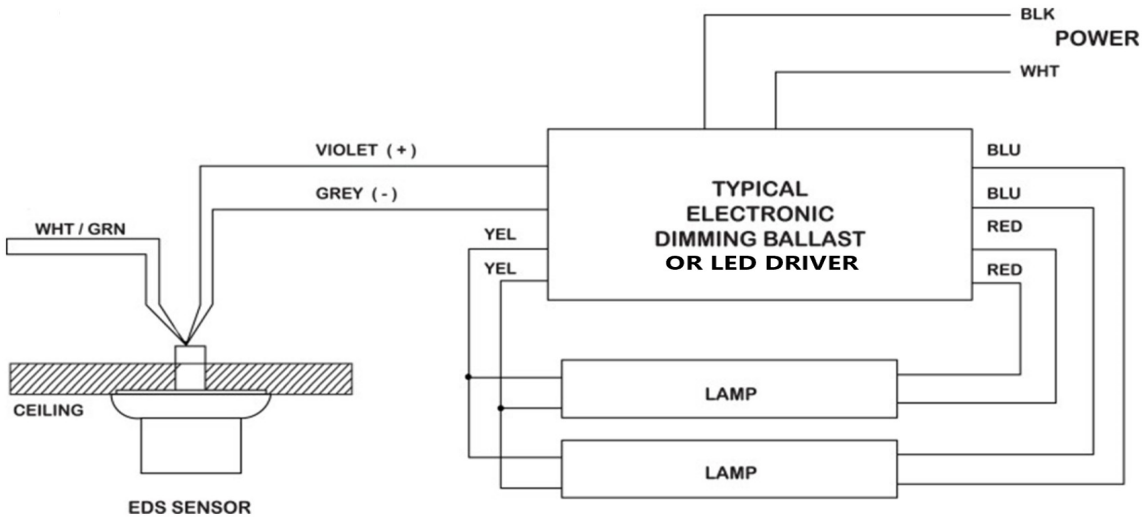
TECHNICAL DATA

Input Voltage:		10VDC (supplied by ballast or driver)
Current:		Sink up to 25mA
Low Output:		0VDC
High Output:		10VDC
Adjustment	Range Response:	10-140fc
	Time Response:	20sec, cut white/green loop 10sec
Operating Temperature:		-13°F to 140°F
Accuracy	Repeatablity:	+/-1% at 70°F (21°C)
	Linearity:	12%
	Tempurature:	+/-0.5%
Tolerance:		+/-10%
Wiring:		Violet: Input Voltage
		Grey: Sinking Voltage
		White/Green: This wire loop controls the sensor response delay, leave intact for 20sec. delay, cut for a 10sec. delay
Compliance:		NEC Class 2, California Title 24

ONE-LINE DIAGRAM



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