

IRIS

PHOTODIODE SENSOR/CONTROLLER
For 0-10V Dimming Ballast
2 Wire, Loop Powered, Analog 0-10V



[CORRECT ORIENTATION SHOWN]

PROJECT	
LOCATION	

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
- 2 year warranty

DESCRIPTION

The Iris sensor is a two wire, loop powered, analog photosensor which provides light level control of fluorescent 0-10VDC electronic dimming ballasts. The Iris 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.

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.

The response time is adjustable by cutting a wire loop. All Iris sensors are UL 916 listed, low voltage Class 2 wiring devices.

The Iris sensor can be used with the optional Slide Control switch and power switch. Electronic dimming ballasts are switched ON and OFF using the power switch. The Slide Control Switch is used in conjunction with the Iris sensor with the lower input driving the dimming ballasts.

NOTE: When using the Slide Control switch and the Iris sensor together, please use the Slide Control switch ratings.

TECHNICAL DATA - IRIS

Input Voltage: 10VDC (supplied by ballast)
Current: Sink up to 25mA
Low Output: 0VDC
High Output: 10VDC
Adjustment:

Range Response	10-140fc
Time Response	20 seconds, cut white/green loop 10 seconds

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: NEC Class 2 ; RoHS; California Title 24

