



# LIGHTING CONTROLS

## AMBIENT LIGHT DIMMING BALLAST CONTROLLER

EDS

### DESCRIPTION

The EDS is a class 2, adjustable, photodiode based, indoor dimming controller used to dim up to fifty 0-10 VDC fluorescent dimming ballasts. The device is connected across the control wires of the ballasts, and receives its power from the 10 VDC provided by the ballasts.

When used together, the EDS sensor will provide a maximum limit, or cap to the high end of light output based on ambient light monitored.

### FEATURES

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



Lighting and Operational Control Systems



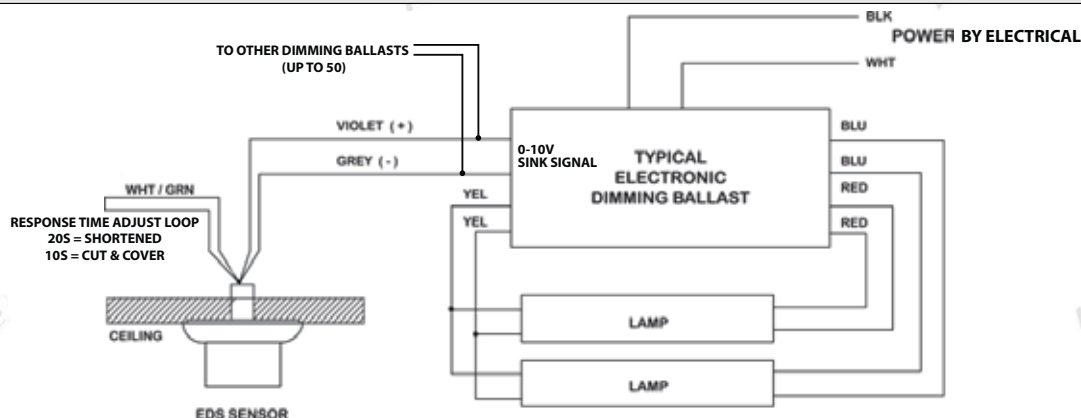
EDS



### SPECIFICATIONS

<b>Supply Voltage</b>	10 VDC (supplied by dimming ballast) Sink up to 25 mA	<b>Protective Lens</b>	10 seconds if WHT-GRN wire is cut
<b>Analog Output</b>	0 to 10 VDC Sinking to ballast Compatible with T8 and T5 Electronic Dimming Ballast	<b>Operating Temperature</b>	Clear Fresnel lens, 60° angle -13° to 140°F (-25° to 60°C)
<b>Output Impedance</b>	Up to 50 dimming ballasts	<b>Operating Humidity</b>	10% to 95% Non-condensing
<b>Sensor type</b>	Blue-enhanced photo-diode	<b>Wiring Terminations</b>	4, 18 AWG Pigtales
<b>Accuracy</b>		<b>Signal Out</b>	Violet (input PWR), Grey (Sinking signal)
<b>Overall</b>	±1% at 70°F (21°C)	<b>Sensitivity Adj.</b>	WHT to GRN= 20sec, Wht cut GRN= 10 sec
<b>Temperature</b>	1%, ±10%	<b>Mounting</b>	Smooth back for ceiling down mounting w/ double stick tape
<b>Linearity</b>	±0.5%	<b>Enclosure Rating</b>	Note: Do not face the lamps under control NEMA 1, Indoor
<b>Repeatability</b>	±12%	<b>Dimensions</b>	1.23" H x 2" Dia. (3.12 x 5.08 cm), Lens = 1.29" Dia. (3.28 cm)
<b>Range Adjust</b>	Setpoint range from 10 to 140 fc	<b>Approvals</b>	NEC Class 2, California Title 24, RoHS, UL916
<b>Control type</b>	Reverse Acting	<b>Warranty</b>	2 years
<b>Setpoint Adjust</b>	25 turn POT		
<b>Response Time Adjust</b>	Standard- 20 seconds		

### WIRING



### ORDERING INFORMATION

MODEL  
EDS

DESCRIPTION  
Continuous dimming indoor photosensor/controller with setpoint, 0-10V sinking signal