

# DSS Series Solid State Control

## Electronic Locking Type Photocontrol

The DSS is specifically designed to provide long life, enhanced light sensitivity, and superior surge protection when used with LED luminaires.

### Applications:

- LED lighting fixtures that require dusk to dawn control
- Also recommended for use with other luminaires that use solid state ballasts/drivers (e.g. CFL, Induction, Electronic HID)

### Design Details

- Filtered Silicon Photo Sensor
- Specially selected 10 Amp sealed relay
- (2) MOV 's rated for 9,500 Amp - 320 joules
- Neoprene Base Gasket has a continuous use temperature of 105°C
- Built in 3 – 6 second turn-off delay
- Green Cover with Blue Base



### Operating Characteristics

- Voltage 105 to 305 VAC, 60Hz
- Average power consumption is .7 watts @120V; 2.4 watts @ 277V
- 1000W/1800 VA

### Regulatory Listings

- ANSI C136.10-1996 Compliant
- ROHS compliant
- Surge Rated to ANSI C136.10 - Cat. C

## ADDITIONAL FEATURES

**Enhanced Ambient Sensing:** The photo sensor is designed to sense sunlight, while being “blind” to light emitted from LEDs. This reduced LED sensitivity greatly decreases false turn-off in high ambient light situations.

**Extreme Inrush Protection:** Tested and approved for use with fixtures that use multiple LED drivers, the DSS can withstand the high inrush current that these drivers generate.

**On Board LED Indicator:** Provides a visual signal, without removing the photocontrol, that the fixture is powered and the photocontrol is fully operational.

**Surge Protection & Inductive Filtering:** Employing two MOV 's in conjunction with additional series inductance and high frequency filtering, provides ANSI Category C (20KV, 10 KA) surge protection for the control, and also protects the solid state driver from line transients and “noise.”

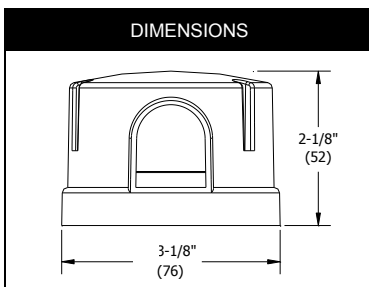
**Design Life:** Defined as the period of time that the product is expected to work within its specified parameters, the DSS is rated for 90,000 hours.

**Six Year Warranty:** The DSS control is warranted to be free of manufacturing quality defects for a period of (6) years from the date of sale.

## ORDERING INFORMATION

Example: **DSS124F 1.0 TJJJE J12**

Series Code & Voltage	Failure Mode	Turn-On Light Level (ftc)	- Time Delay - Surge Protection - Enhanced Ambient Sensing	Job Packs
<b>DSS124</b> 120 – 277 Volts	<b>F</b> Fail Off * <b>N</b> Fail On	<b>1.0</b> Energy Saver <b>1.5</b> ANSI Std. <b>2.6</b> IES Recommended <b>8.0</b> Metro – High Ambient	<b>TJJJE</b> - 3-6 Sec. Turn-Off Delay - Dual MOV 's - LED Tuned Photo Sensor	<b>J12</b> 12 Units <b>J50</b> 50 Units



\* Not acceptable for use with more than three LED drivers with supply voltage of 277V