



Thomas Research Products

SSL Solutions Faster Than The Speed Of Light®

SD2 Step-Dimming Module

Universal Bi-Level dimming control module
for 0-10V dimmable LED Drivers

The SD2 works with two standard wall switches to provide quick switching between 100% and 50% light output from LED luminaires.

- Works with any 0-10V dimmable LED driver
- Eliminates need for expensive dimmer unit
- Works with occupancy sensors
- Class 2 Output

Electrical Specifications

Input Voltage Range:	100-277 Vac Nom. (90-305 V Min/Max)
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Max Pass Current:	1.0A @ 120Vac Input, 0.43A @ 277Vac Input
Max LED Driver Power:	100W
Max Insertion Loss:	<1.5W @ 100W LED Driver
Class 2 Control Output:	0-10V (Current Sinking)
Warranty:	5 years

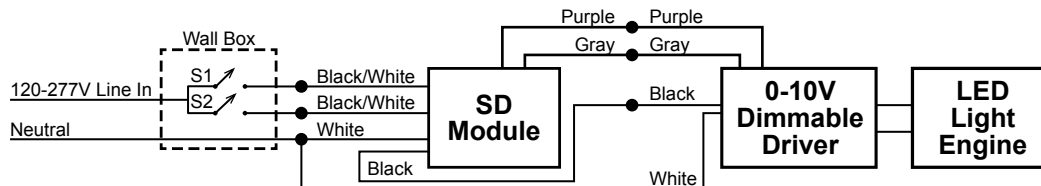
Environmental Specifications

Storage Temperature:	-40°C to +85°C
Max Case Temp:	75°C
Min Operating Temp:	-40°C
Humidity:	5% to 95%
Lifetime:	1,000,000 Switching Cycles

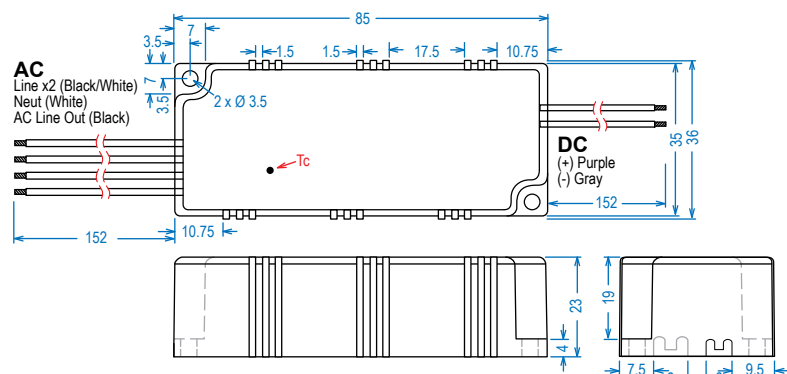
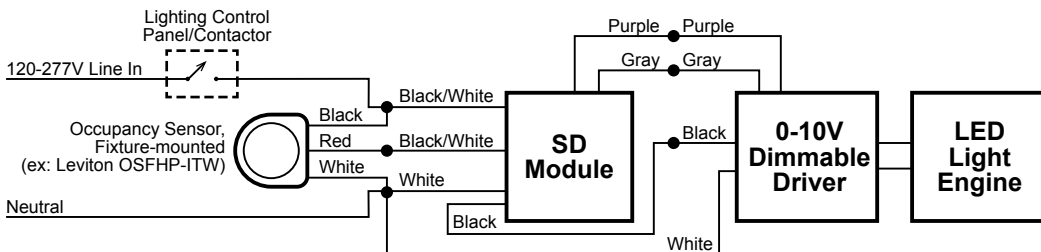


Note: UL requires that these modules be installed within the luminaire enclosure.

Std. Wiring:



Wiring with Occupancy Sensor:



SD2 Step-Dimming Operation		
Switch Position		Driver Current Output
S1	S2	
Closed	Closed	100%
Closed	Open	<50%
Open	Closed	<50%
Open	Open	0%

Contact TRP for custom output variants!



Specifications subject to change without notice.

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