



# Thomas Research Products

SSL Solutions Faster Than The Speed Of Light®

## SD3 Step-Dimming Modules

Universal Tri-Level dimming control modules  
for 0-10V dimmable LED Drivers  
Two models: for 25-50-100 or 33-66-100 light output

The SD3 works with two standard wall switches to provide quick switching between 3 levels of 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

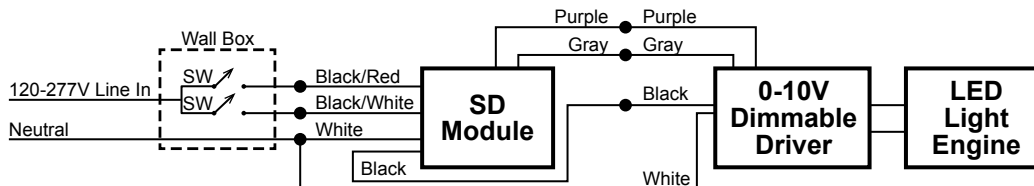
### Environmental Specifications

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

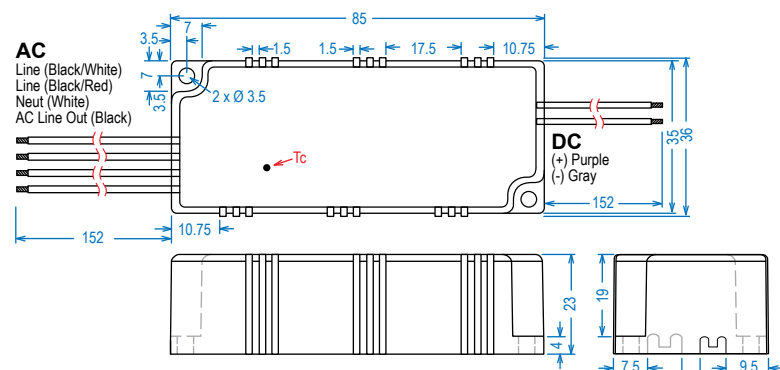
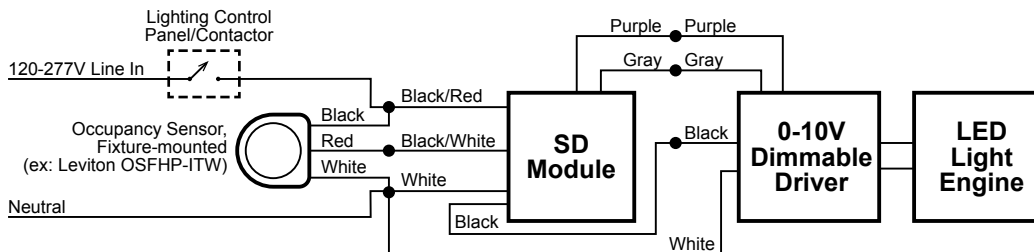


Note: UL requires that these modules be installed within the luminaire enclosure.

### Std. Wiring:



### Wiring with Occupancy Sensor:



Input Lead Voltage		Driver Output Current	
Black/Red	Black/White	SD3-25	SD3-33
Line	Line	100%	100%
Line	O	<50%	<66%
O	Line	<25%	<33%
O	O	0%	0%

Contact TRP for custom output variants!



Specifications subject to change without notice.

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