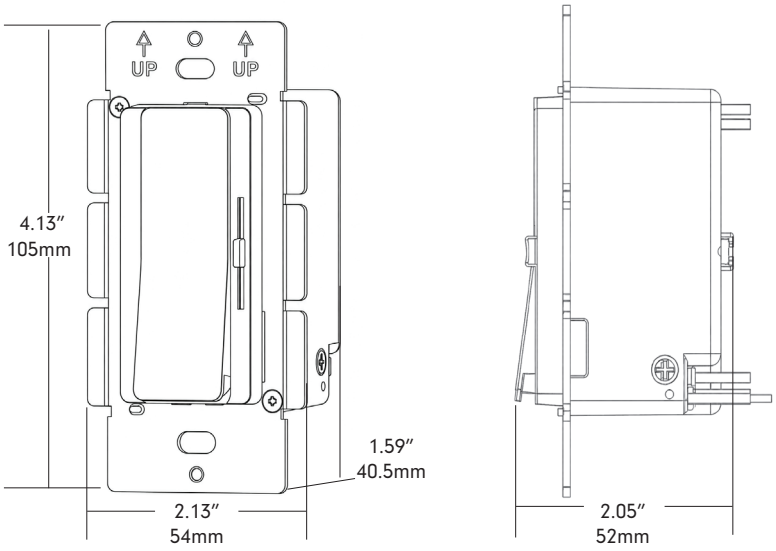


- Integrated Constant Voltage LED Driver + Dimmer
- Space-Saving 2-in-1 In-Wall Design
- Available in 12V / 60W and 24V / 96W Models
- 120VAC, 60Hz Input
- Field-Adjustable Output Voltage
- Flicker-Free 16kHz PWM Dimming
- Single-Channel Dimming for Static White LED Loads
- Local On/Off and Brightness Control
- Supports Single-Pole and 3-Way Applications
- Low-Voltage Constant Voltage Output
- Built-In Active PFC
- Short-Circuit, Overload, and Overtemperature Protection
- Suitable for Indoor Dry Locations
- 5-Year Warranty

Dimensions



Order Guide

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
Driver + Dimmer Static 2 in 1 Class 2	TDD-1-XXX-24	INDOOR	120V AC 60Hz	24V DC	1	96W	4A
	TDD-1-XXX-12			12V DC	1	60W	5A

XXX = **BLK** (black), **WHT** (White), **LTA** (Light Almond)

Note: High-/Low-voltage Separation Barrier, 8ea Twist-On Wire Connectors, 2ea Mounting Screws included

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Specification

CAT NO.	TDD-1-12	TDD-1-24
DC Voltage	12V	24V
Transformer Classification	Class 2	
Rated Current	4A	5A
Rated Power	60W	96W
Number of Channel(s)	1	
Dimming Range	0.3%-100%	
Voltage Regulation	±0.5%	
Output		
Input Voltage	120VAC	
Frequency Range	60Hz	
Power Factor (Typ.) @ full load	0.99@120VAC	
THD (Typ.) @ full load	≤10%	
Efficiency (Typ.) @ full load	90%	91%
AC Current (Max.)	0.6A	0.9A
Inrush Current (Typ.)	50A, 150us@50%Ipeak	
Physical		
Net Weight	0.6 lbs	
Dimension	4.13" H × 2.13" L × 2.05" W	
Protection		
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed	
Over loading	≥110% Hiccup mode, recovers automatically after fault condition is removed	
Over heating	Shell surface temperature 100 ±10 shut down o/p voltage, automatically recover after cooling	
Environment		
Working Temp.	-40˚ to 60˚C (-40˚ to 140˚F)	
Working Humidity	20-90% RH, non-condensing	
Storage Temp	-40˚ to 80˚C (-40˚ to 176˚F)	
Storage Humidity	10-95% RH	
Temp. Coefficient	±0.03%/˚C (0-50˚C)	
Vibration	10-500Hz, 5G 10 min./1 cycle, period for 60 min., each along X, Y, Z axis	
Safety Compliance & EMC		
Certification	UL Listed, FCC, RoHS	
Safety Standards	UL8750 CAN/CSA-C22.2 No.250.13 (US)	
Withstand Voltage	I/P-O/P:1.88KVAC I/P-F/G:1.88KVAC O/P-F/G:0.5KVAC (US)	
Isolation Resistance	I/P-O/P:100M Ω/500VDC/25˚C/70%RH	
EMC Immunity	FCC/ICES do not request this test (US)	
EMC Emission	FCC Part15 Subpart B ANSI C63.4:2014 (US)	
Warranty	5 Years	

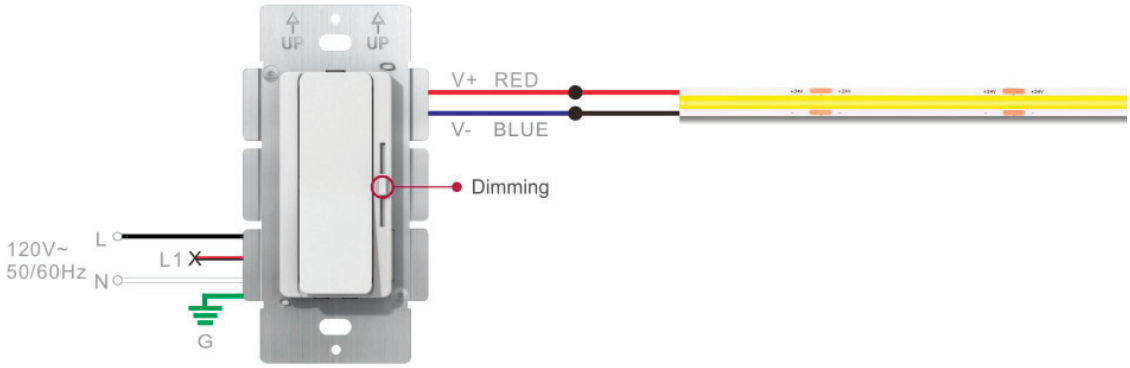
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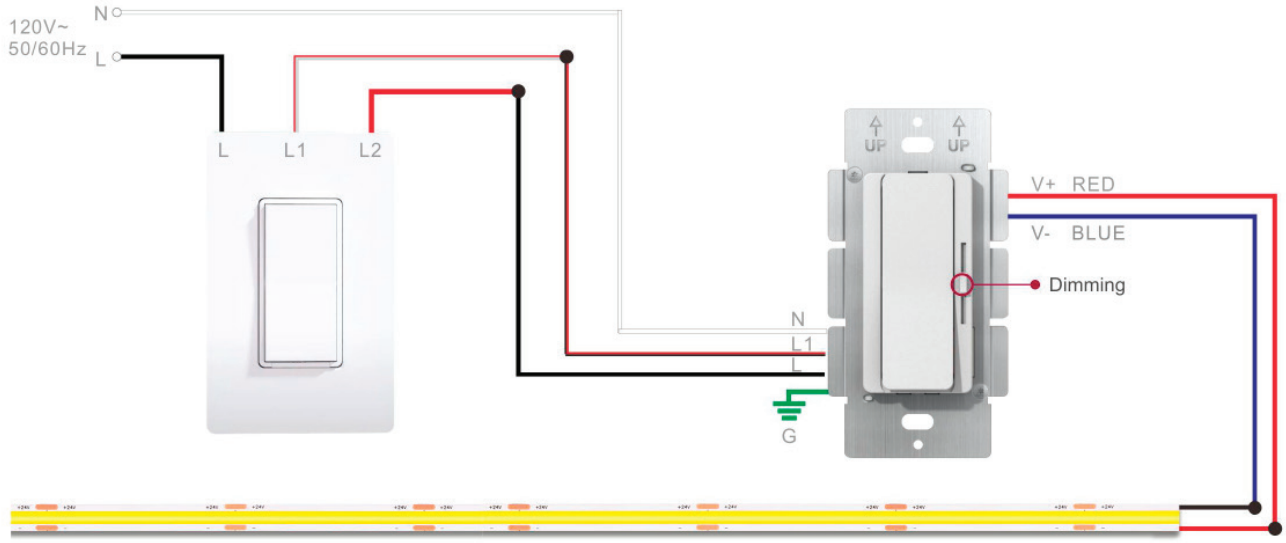
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Wiring Diagram

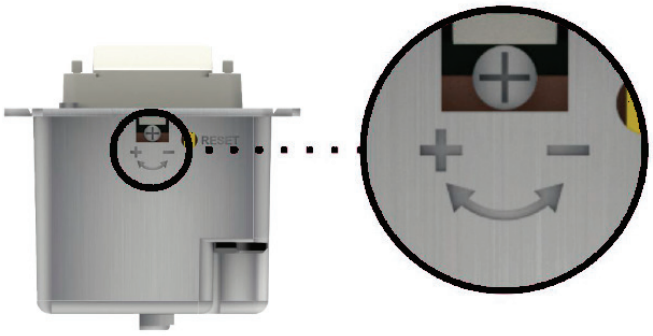
Standard Dimming System



Push Dimming System



Voltage Adjustment



Clockwise rotation of the high voltage
12V output volt.: 12-13.5V
24V output volt.: 24-26V

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