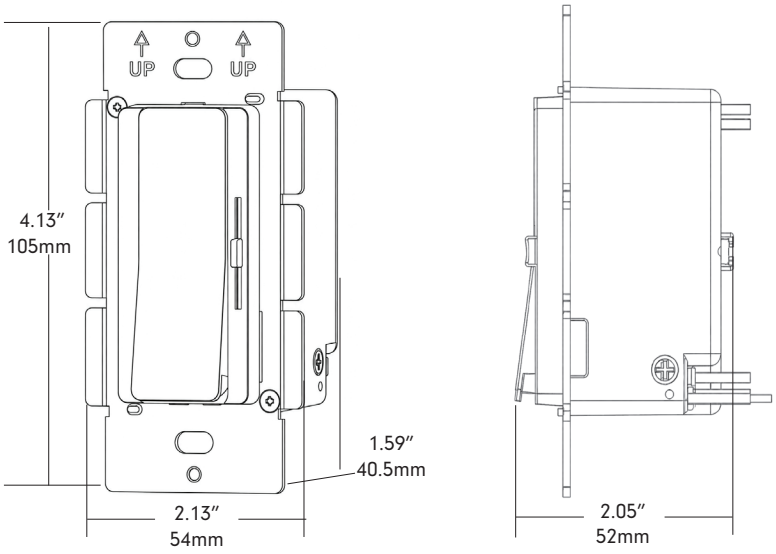
matter

- Integrated Constant Voltage LED Driver + Dimmer
- Space-Saving 2-in-1 In-Wall Design
- 120VAC, 60Hz Input
- Field-Adjustable Output Voltage
- Flicker-Free Dimming Performance
- Single-Channel Dimming for Static White LED Loads
- Local On/Off and Brightness Control
- Compatible with Matter-Enabled Smart Home Platforms
- Synchronized Wall Control and App Control
- Supports Single-Pole and 3-Way Applications
- Low-Voltage Constant Voltage Output
- High- and Low-Voltage Separation Barrier Included
- 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 2 in 1 Static Class 2 Wireless	TDD-1-XXX-24-KIT	INDOOR	120V AC 60Hz	24V DC	1	96W	4A
	TDD-1-XXX-12-KIT			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-XXX-24-KIT	TDD-1-XXX-12-KIT
DC Voltage	24V	12V
Transformer Classification	Class 2	
Rated Current	4A	5A
Rated Power	96W	60W
Dimming Range	100%-0.3%	
Voltage Regulation	±0.5%	
Output		
Input Voltage	120V AC	
Frequency Range	60Hz	
Power Factor (Typ.) @ full load	0.99@120VAC	
THD (Typ.) @ full load	≤10%	
Efficiency (Typ.) @ full load	91%	90%
AC Current (Max.)	0.9A	0.6A
Inrush Current (Typ.)	50A, 150us@50% Ipeak	
Leakage Current	<0.5mA	
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	When the shell surface temperature reaches 100 ±10 , shut down o/p voltage and 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, 2G 12min./1 cycle, period for 72 min. each along X,Y,Z axes	
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:100MΩ / 500VDC / 25degree/ 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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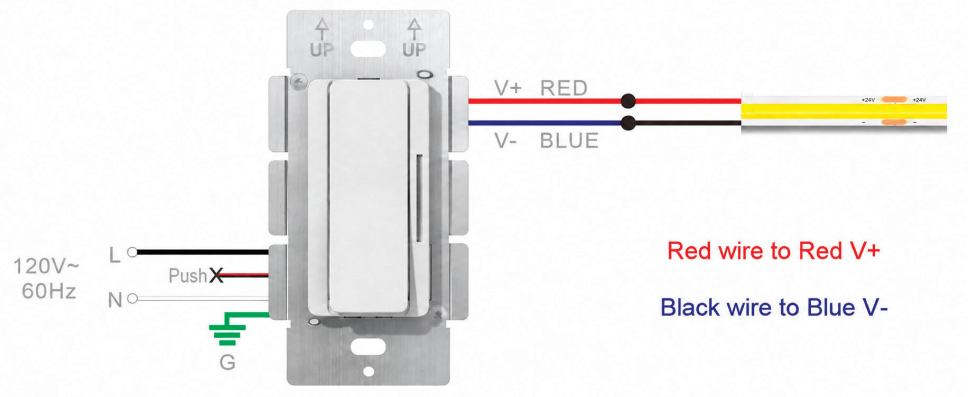
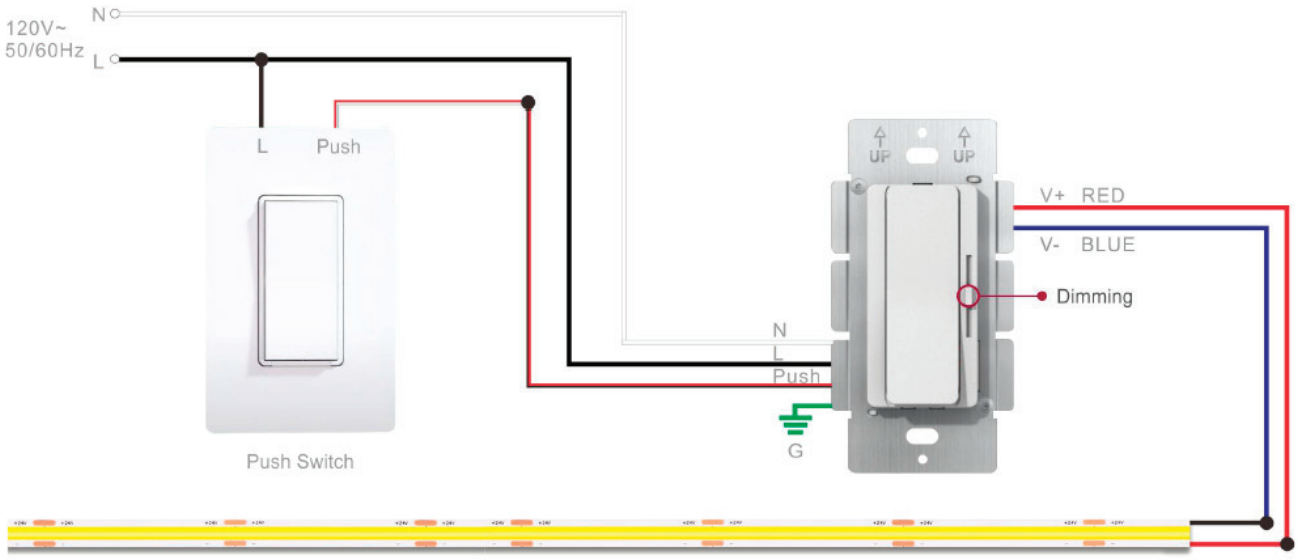
Wiring Diagram - Power Supply

Standard Dimming System



3-Way Dimming System



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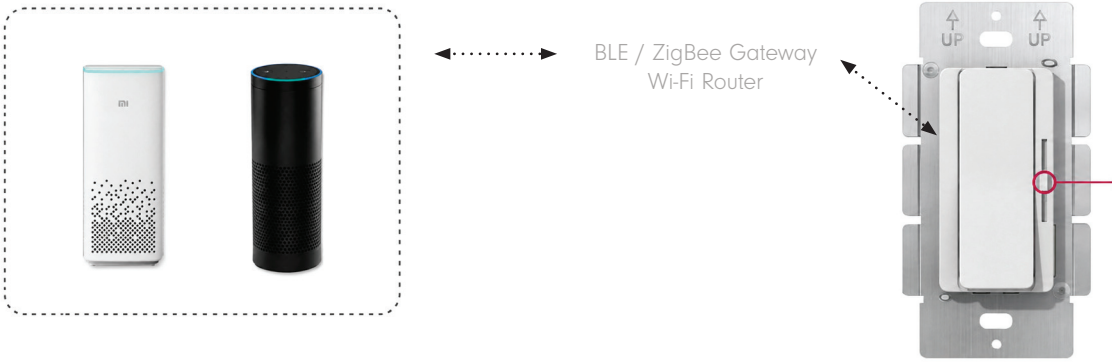
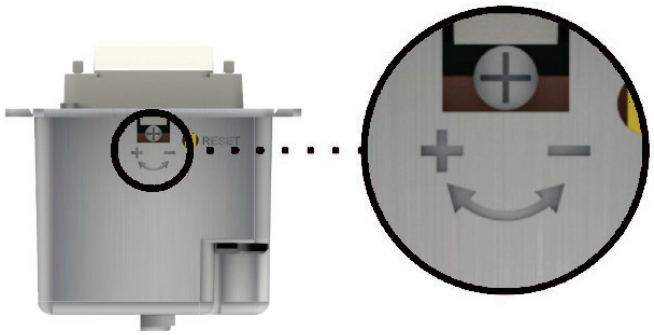
Wiring Diagram - Dimmer

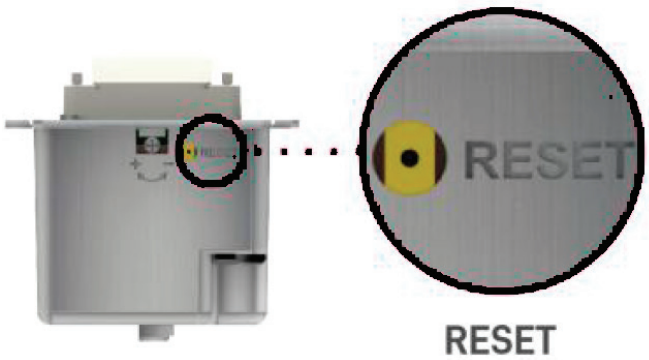


Voltage Adjustment



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

Wireless Module Reset



Wireless module network manual reset mode

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