

DIMMING CONTROL MODULE

The Dimming Control Module from AmbienTech is a compact controller that facilitates wireless connections between dimming systems and LED drivers. Allows dimming for static LED, Variable White and Warm-Dim applications. Compatible with any standard constant voltage LED driver, it provides smooth, flicker-free dimming to 0.1% before full darkness, in compliance with CEC Title 24 flicker-free requirements. Run through an app or wall switch with wireless signal for room level control of multiple modules.

- 3-in-1 module for dimming, Variable White and Warm-Dim applications
- Control multiple modules
- Offers app and voice control
- Compatible with Constant Voltage LED drivers
- Current limit overload protection
- Complies with Title 24 dimming requirements



SPECIFICATIONS

Max Input Power	96 W
Max Input Current	4 A
Rated Input Voltage	24 VDC
Efficiency	98.5%
Output Voltage	24 VDC
Max Output Current	4 A
Protection	Hiccup mode for over current, short circuit and over temperature
Ambient Temperature	-22° - 122° F (-30° - 50° C)
IP Rating	IP23
Control Protocol	RF / SmartAir App
Dimming Range	0.1 - 100%
Dim to Off	Yes
Dimming Method	PWM (2400Hz)
Dimming Curve	Logarithmic (Default)
Dimensions (L x W x H)	3.14 in. x 1.57 in. x 0.64 in. (80 mm x 40 mm x 16.5 mm)
Case Material	PC/ABS - 5VA Rating

NOTE: The Dimming Control Module requires an external CV LED driver, connected to the DC input, and should not exceed the above input voltage range.

ORDERING GUIDE


Category

RFDIMMODWDVW


RFDIMMODWDVW - Dimming Control Module

COMPATIBLE DIMMERS & DRIVER


VARIABLE WHITE DIMMER (PART #: RFDIMVWWH / RFDIMVWBK)

DIMENSIONS	FEATURES
 <p>Width: 2.9 in. (74.5 mm) Length: 4.7 in. (119 mm) Depth: 1.6 in. (40.6 mm)</p>	<ul style="list-style-type: none"> - Dimming for Variable White applications - Wall switch with wireless signal - Flicker-free dimming down to 0.1% - Offers App and voice control - Complies with Title 24 dimming requirements

WARM DIM DIMMER (PART #: RFDIMWDWH / RFDIMWDBK)

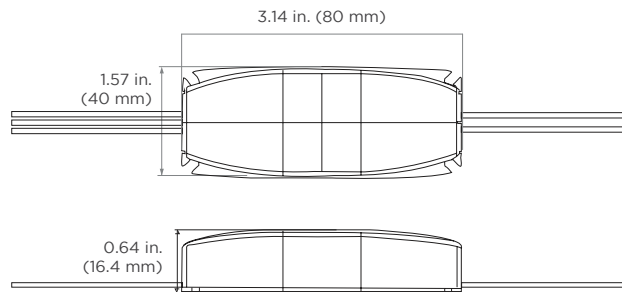
DIMENSIONS	FEATURES
 <p>Width: 2.9 in. (74.5 mm) Length: 4.7 in. (119 mm) Depth: 1.6 in. (40.6 mm)</p>	<ul style="list-style-type: none"> - Dimming for Warm-Dim applications - Wall switch with wireless signal - Flicker-free dimming down to 0.1% - On-site programmable dimming curve - Complies with Title 24 dimming requirements

NON-DIMMING DRIVER (PART #: DRVW2430 / DRVW2460 / DRVW2496)

DIMENSIONS	FEATURES
 <p>Width: 2.36 in. (60 mm) Length: 12.1 in. (308 mm) Depth: 1.4 in. (35 mm)</p>	<ul style="list-style-type: none"> - UL Listed Enclosure - With Built-In Junction Boxes - Available in 30 W, 60 W, and 96 W options - Universal Input Voltage - IP65 - For Both Indoor and Outdoor Use, UL 8750 Approved - Class 2, Class P - Auto-Reset Protection for Short Circuit and Over-Temperature - Over Load Protection - CC Mode - 5-year warranty

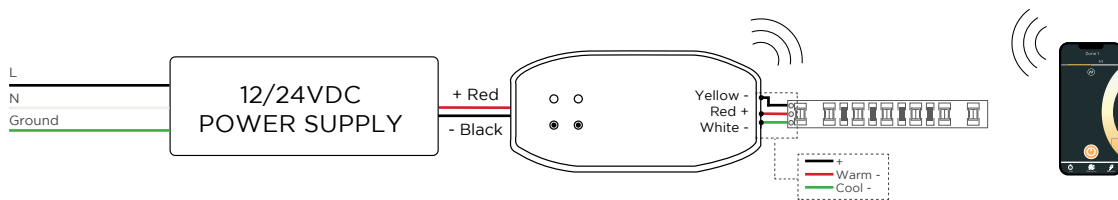
DIMENSIONS

DIMMING CONTROL DIMENSIONS

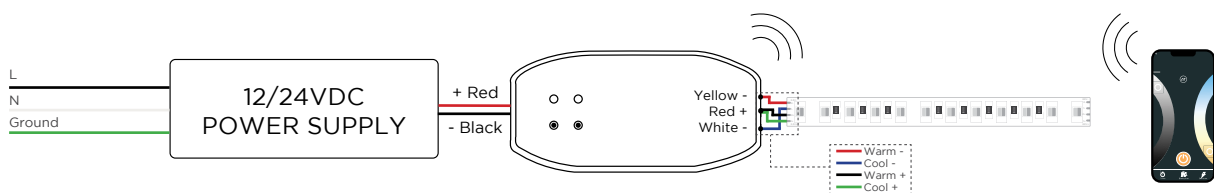


WIRING DIAGRAMS

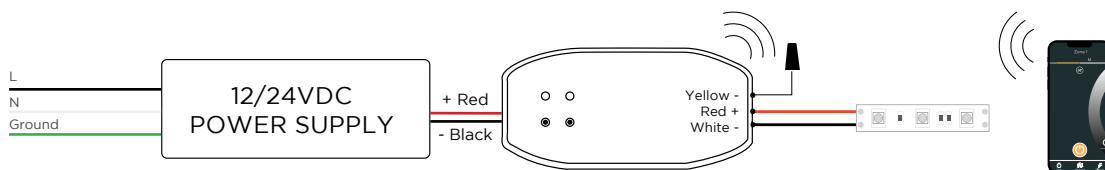
VARIABLE WHITE



WARM DIM

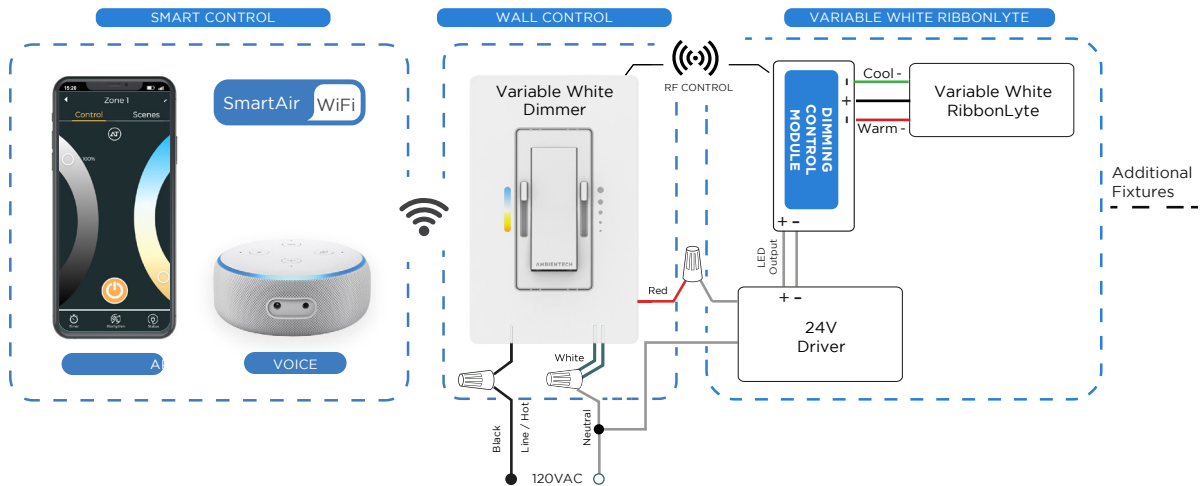


DIMMING

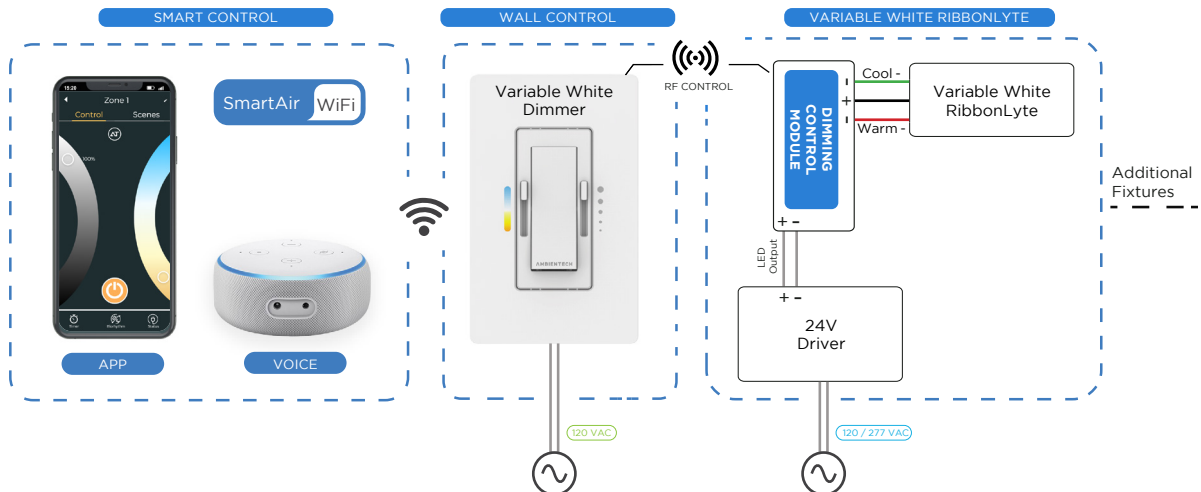


WIRING DIAGRAMS

VARIABLE WHITE

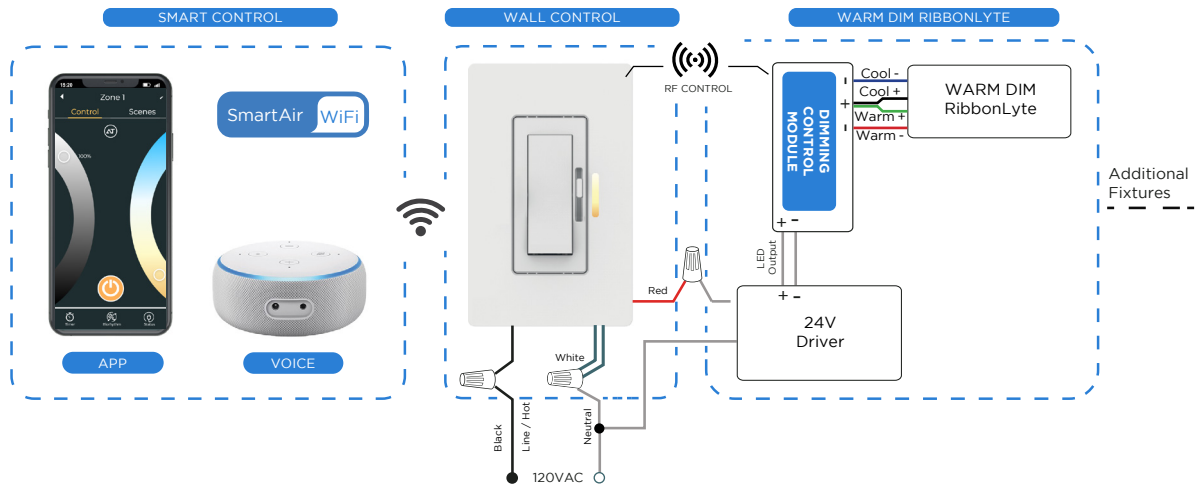


VARIABLE WHITE - WIRELESS

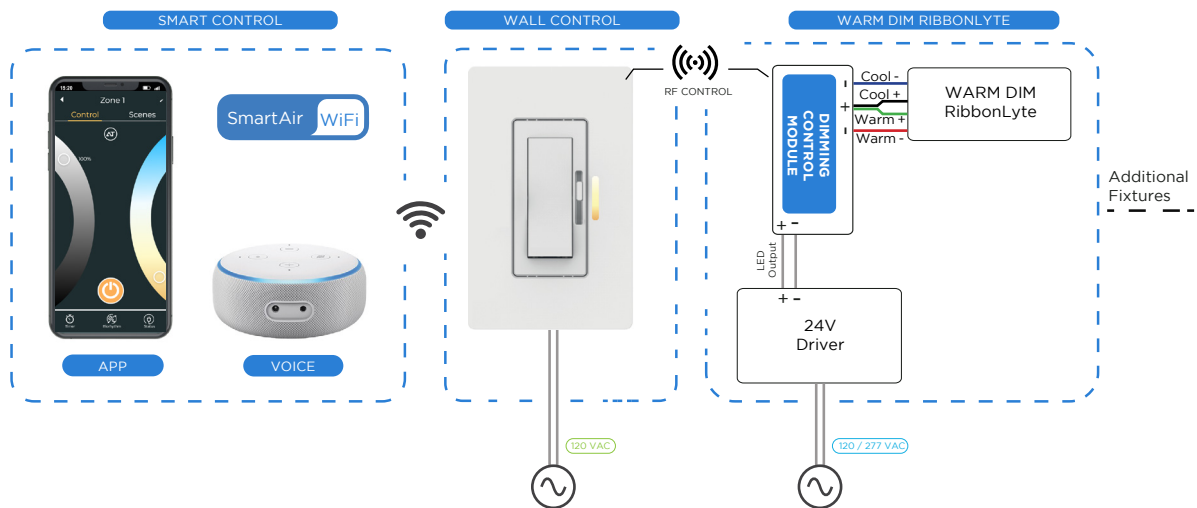


WIRING DIAGRAMS

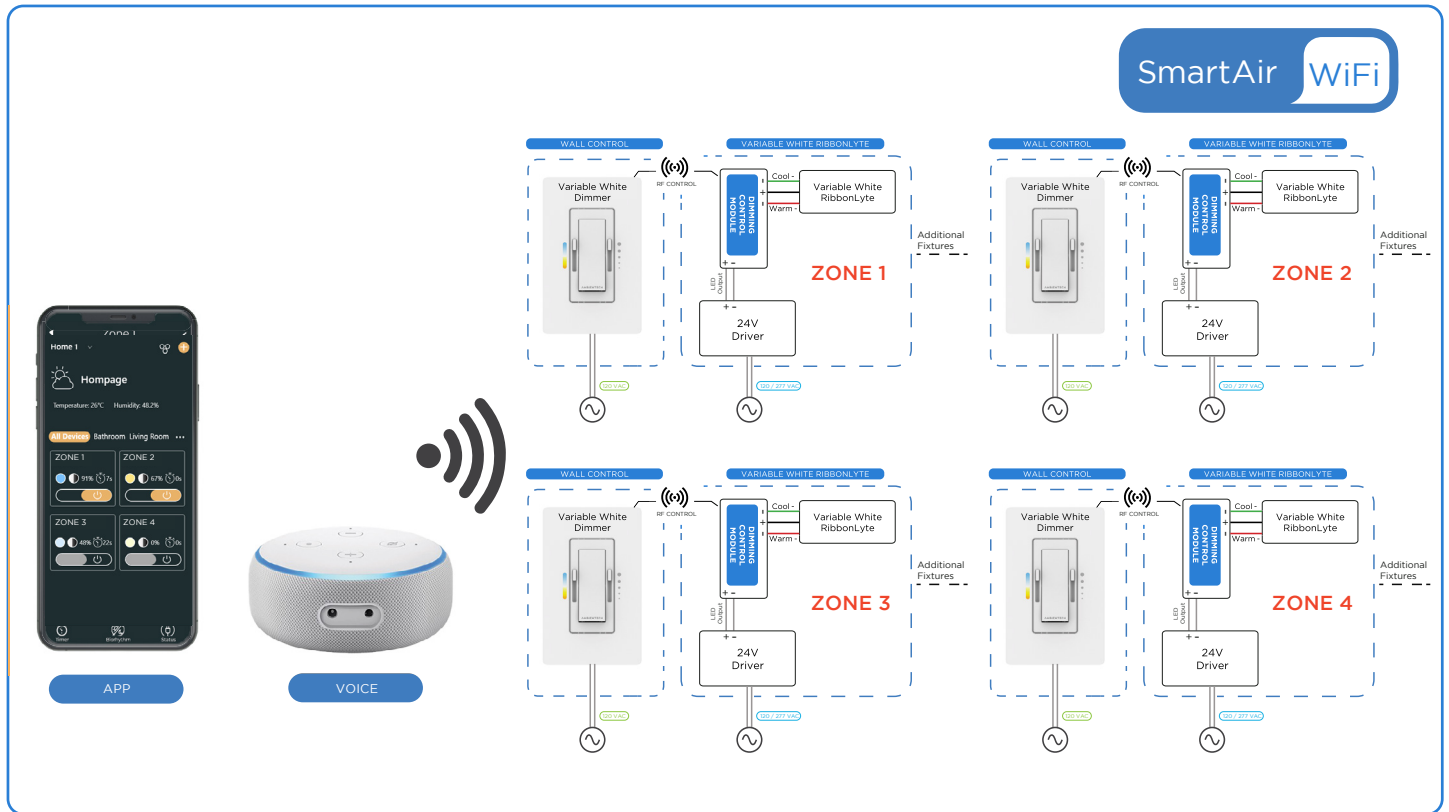
WARM DIM



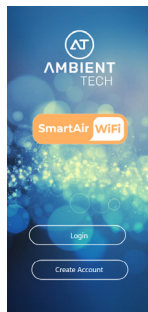
WARM DIM - WIRELESS



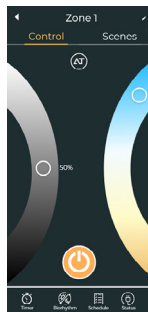
SMART AIR - APP / VOICE CONTROL



App Features



LOGIN



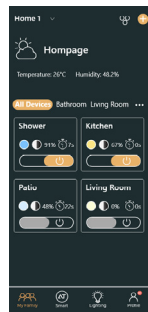
VARIABLE WHITE



WARM DIM



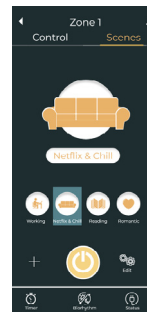
DIMMING



ZONE GROUPING



BIORHYTHM



SAVE SCENES

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