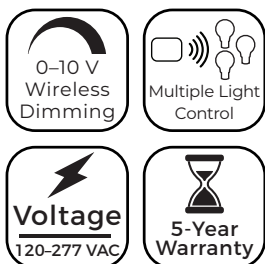


Vealite Series

0-10 V Wireless Dimming System

Project _____

Date _____ Type _____



Description

Vealite RF dimming modules use radio frequency to wirelessly control 0-10 V LED dimmable light fixtures for easy and more convenient installation without any sacrifice to functionality. Modules receive input from compatible RF wireless wall switch dimmers and/or occupancy sensors creating a convenient, adaptable, and energy-saving control system. Allows multiple lights to be controlled from one or more sensors or switches.

Dimming Module Features

- Module mounts through 1/2" trade size knock-out on a junction box or compatible fixture
- Up to 10 A input current per module allows one module to operate multiple lights
- Transmission/reception range up to 98.4 ft (30 m)
- 433 MHz transmission frequency
- Operating Temperature of -40°-113° F (-40°-45° C)
- IP20 rated for damp or dry conditions
- Module pairs with up to four BMS401 and five WP4013

Motion Sensor Features

- Requires 2 AAA batteries (not included)
- 120° detection angle and 13-49 ft (4-15 m) detection range
- Transmission/reception range up to 98.4 ft (30 m)
- 433 MHz transmission frequency
- Operating temperature of -40°-113° F (-40°-45° C)
- IP20 rated for damp or dry conditions

Dimmer Switch Features

- Requires 1 CR2032 battery (not included)
- 120° detection angle and 13-49 ft (4-15 m) detection range
- Transmission/reception range up to 98.4 ft (30 m)
- 433 MHz transmission frequency
- Operating temperature of -40°-113° F (-40°-45° C)
- IP20 rated for damp or dry conditions

Available Models

Dimming Module

☐ PPA401S

Controls¹

☐ BMS401 (motion/occupancy sensor)

☐ WP4013 (wall dimming switch)

Certifications

The dimming module is UL Listed.

All components are FCC compliant.



Application

Wireless dimming allows simplified and convenient control systems for a wide variety of applications including warehouses, garages, classrooms, hospitals, offices, conference rooms, basements, and any other places where commercial downlights or low/high bay lights are common.

Warranty

Five (5) Year Warranty

Specifications

General Specifications	
Operating Temperature	-40°-113° F (-40°-45° C)
IP Rating	IP20
Radio Frequency	433.96 MHz
RF Range	98.4 ft (30 m)
PPA401S Specifications	
Input Voltage	120-277 VAC
Max. Output Current	10 A
Dimming	0-10 V
BMS401 Specifications	
Battery Type	AAA (x2, not included)
Detection Range	13.1-49.2 ft (4-15 m)
Detection Angle	120°
WP4013 Specifications	
Battery Type	CR2032 (x1 not included)

Functions



Dimming

Gives occupants the ability to set the light levels.



Occupancy/vacancy sensing

Turns lights on when occupants are in a space and dims lights to a low level or turns lights off when they vacate the space.



Personal dimming control

Gives occupants the ability to set the light levels.

¹At least one control is required in order to use dimming module.



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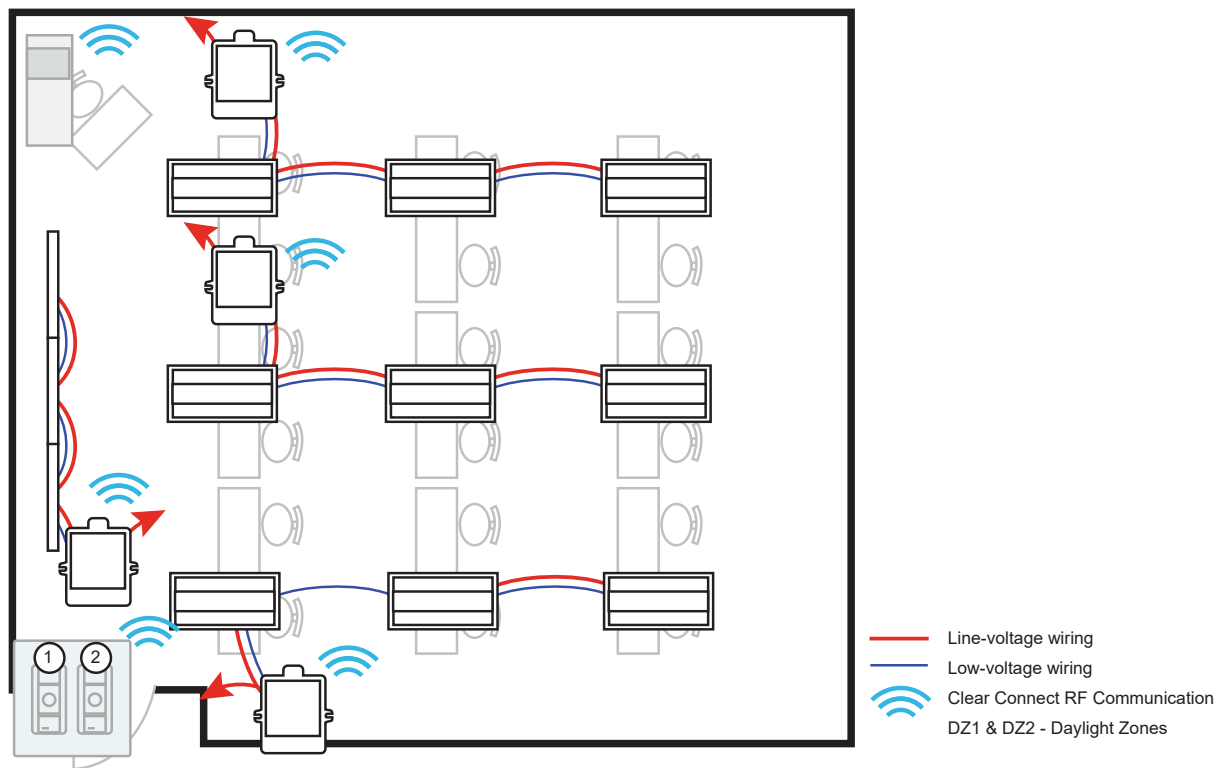
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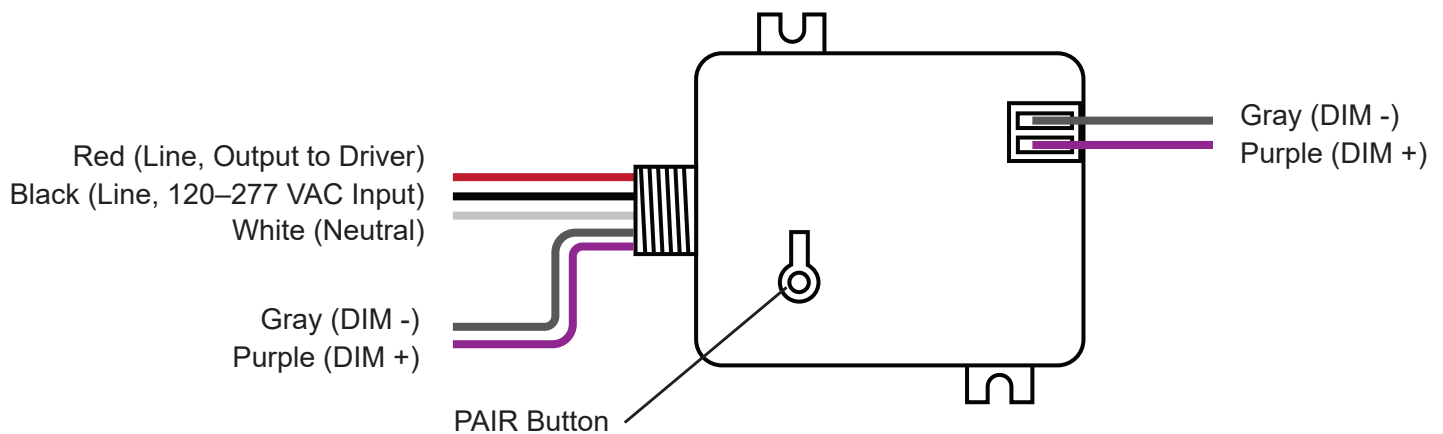
Vealite Series

0-10 V Wireless Dimming System

Typical Installation Diagram



Dimming Module Wiring



Vealite Series

0-10 V Wireless Dimming System

Dimensional Drawing

