

AL-WS-M

LOW VOLTAGE WALL SWITCH



3-Way Wall Switch

The AL-WS-M 3-way dimmer light switch directly uses low voltage DC instead of 120 V AC. This decorator-style switch in a standard residential outline fits into any home and meets NEC article 411 for low voltage lighting. It has a momentary switch action with press/hold for dimming when connected to ATX LED wall switch.

As a momentary contact switch, it can signal to an AL-WS series wall switch to turn a light On, Off, or Dim. For 3-way operation, a simple 2-wire link with AWG24 or better allows 2, 3, or an unlimited number of switches to control one set of LEDs. The AL-WS-M connects to a variety of ATX LED switches.

Key Specifications

| Electrical/Operational | |
|------------------------|--|
| Input voltage range | 3 V to 12 V DC |
| Contact current | Under 1 mA needed by AL-WS switches Switch can handle 5A |
| Protection | Reverse protection and static protection |
| Operating temperature | 0°C to 50°C |
| Standard Connections | |
| Signal contact | Spring-loaded connectors (2 pair) for AWG 18-24 - pass thru |

Features

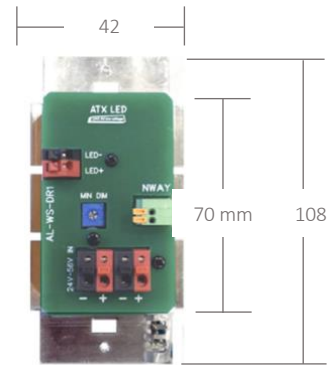
- Standard decorator-style appearance
- Low voltage operation allows installation using AWG 16 or 24
- Connects with a variety of switches from the AL-WS switch family

Certifications

- NEC article 411
- Meets FCC RF standards for minimal interference

Dimensions

| | |
|------------------------|----------------------------|
| External size (metal) | 108 mm x 42 mm W x 34 mm D |
| External size (switch) | 70 mm x 42 mm W x 34 mm D |



Model Quick Reference

| Ordering SKU | LED Channels | Dimming Driver | 0-10 V Control | Fan | Vacancy/ Occupancy | 3-Way ¹ | Smart ² | WiFi |
|----------------|--------------|----------------|----------------|-----|--------------------|--------------------|--------------------|------|
| AL-WS-BATH | 1 | X | | X | | X | | |
| AL-WS-DR1 | 1 | X | | | | | | |
| AL-WS-DR1-PIRC | 1 | X | | | X | X | | |
| AL-WS-DR2C | 2 | X | | X | | X | | |
| AL-WS-DR1-PIR | 1 | X | | | X | | X | |
| AL-WS-010V | 1 | X | X | | | X | X | |
| AL-WS-DR2 | 2 | X | | X | | X | X | |
| AL-WS-DR2W | 2 | X | | X | | X | | X |

Notes:

1 - Compatible with AL-WS-M Momentary Switch for 3-way

2 - IEC 62386 compatible

Part Numbering

