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<http://awg18.com>

AL-WS-M24

Decorator style

24 V Motor/LED driver

with integrated switch

40 watts

Optional PIR



[Product Description - AL-WS-M24 wall switch](#)

This switch operates just like any standard residential light switch – however it takes 44-54v DC instead of 120VAC, and directly drives up to 40 watts of Constant Voltage 24v loads. This Decorator style switch in a standard residential style outline fits into any home, looks like any switch yet meets NEC Class 2 article 411 and 725 for low voltage applications.

Intended for stand alone, simple On/Off switching of 24v loads. Jumper selectable 660 ma or 1400 mA outputs. Provides Hot Swap protection, the leading cause of driver / fixture failure when a technician works “hot”, especially with capacitive loads like motors.

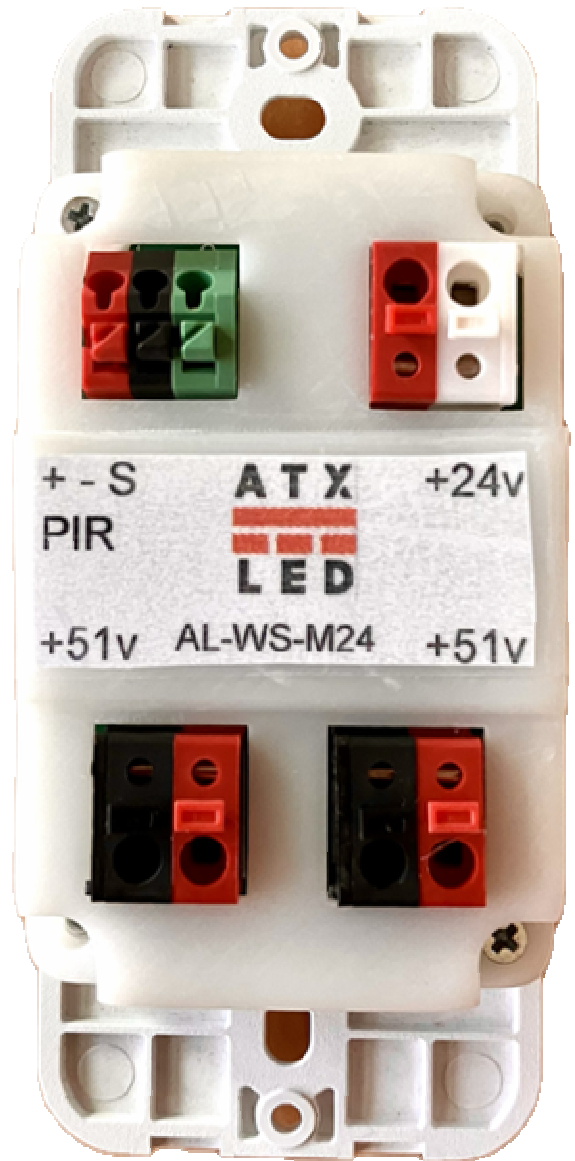
The Switch can connect to an external PIR sensor for motion sensing applications.

The switch can be connected via a jumper cable to an AL-WS-DR2 to support PIR motion sensing, 48v or 24v fan motor control, at up to 40 watts. When used with a CCT tunable bathroom fan, this add-on allows full timer integration between an exhaust fan and a AL-WS-DR2 in CCT mode.

A status LED shows the On/Off state for quiet DC motors

Specifications

Power source and pass-thru	Spring loaded connectors (2 pairs) for AWG 16-20 wire
Input Voltage	44-54vdc
LED / Motor Output Voltage	24 Volt On/Of f Spring loaded connectors
Motion Sensor	12v supply to an external Motion Sensor selectable OD or 010v signal
Output Current	Selectable 660 mA / 1400 mA (jumper)
Conversion efficiency	Over 95%
Protection	Reverse protection and static protection
Operating Temperature	0°C ~ 50°C
Size	108 x 42 mm Frame 70H x 34 D x 42 W mm Body
Dimming	Not provided
FCC and interference	All outputs are RF filtered for minimal interference
Maximum output voltage	24v Default 43v (jumper selectable)
Minimum output voltage	6 volts (current limited mode)
Hot Swap	Yes - can unplug and connect Loads with power applied without damage
AL-WS-DR2 upgrade	Can operate as a peripheral to an AL-WS-DR2 motion sensing 24v or 48v fan control



ATX 51v to 24v

