AL-WS-8B

MULTI-BUTTON / MULTI-FUNCTION WALL SWITCH

Smart Programmable Multi-Function Wall Switch

The AL-WS-8B smart switch is programmed by the ATX LED Hub to recall scenes, activate sequences, or simply set On/Off/Dim any individual or group of lights in a home. This decorator-style switch fits into any home and meets NEC article 411 for low voltage lighting. It can have 2, 3, 4 or 8 buttons which control up to eight individual fixtures or lighting groups and recall up to eight scenes, or it can function as up to eight simple on/off/dimming switch.

The ATX LED Smart Hub allows connection to smart home voice control, and, using the ATX LED ZWD software package, each button on the AL-WS-8B can be used to trigger complex actions.
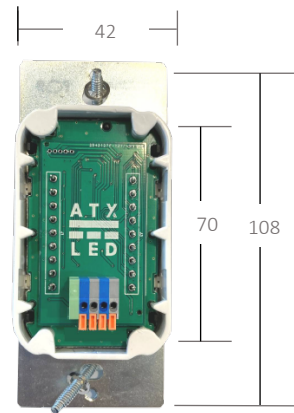
Features

- Standard decorator-style appearance
- IEC 62386 (DAbus) built in for smart home controls
- Low voltage operation allows installation using AWG 16 or 18
- Virtual 3-way supported
- 1, 2, 3, 4, and 8 button options, OEM option, relay option
- 0-100% smooth dimming

Key Specifications

Electrical/Operational	
Input voltage range	14 V to 24 V (DALI bus)
Power requirements	DA pins – DALI bus – 8mA max (all LEDs on)
Standby power consumption	120 mW @ 15 V (all LEDs on)
Receive addressing	DAbus master assigns the address
Transmit addressing	DAbus standard 8 and 16 bits
DALI bus interface	DAbus In and Out – 300 mA max
Protection	Reverse protection and static protection
Operating temperature	0°C to 50°C
Standard Connections	
Connectors	AWG 18-24 gauge wire, spring terminals KF141V type – color coded

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]	DAbus[2]	WiFi
AL-WS-BATH	1	X		X				
AL-WS-DR1	1	X				X		
AL-WS-DR1-PIRC	1	X		X	X	X		
AL-WS-DR2C	2	X		X		X		
AL-WS-DR1-PIR	1	X		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

Notes: 1 - Compatible with AL-WS-M Momentary Switch for 3-way.
2 - IEC 62386 compatible

Part Numbering

AL - WS - 8B - OEM

ATX LED   Description   Variety   Style

AL-WS-8B-OEM – Board only
AL-WS-8B-2BW – 2-button white
AL-WS-8B-3BW – 3-button white
AL-WS-8B-4BW – 4-button white

ATX LED