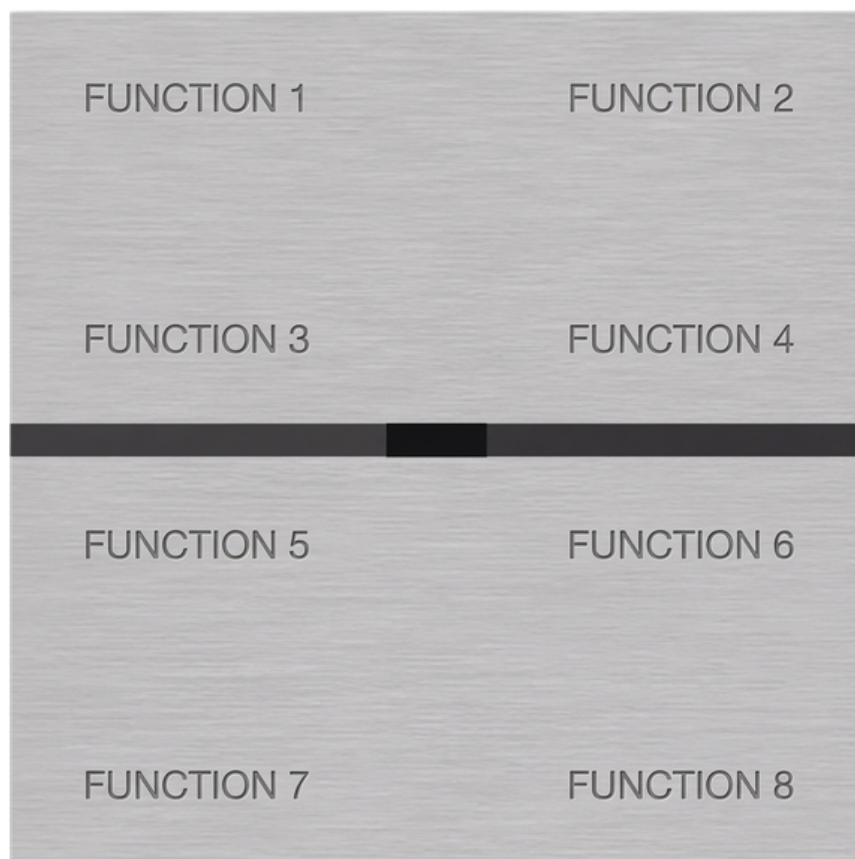




CATRON AC 8B PANEL



Product Overview

Catron AC 8B Panel, is an AC powered 8 button switch. It has a built-in Bluetooth module that enables it to communicate with other devices in the mesh network. It can be custom configured using Lumos Controls mobile app to control the brightness, color temperature of the light source and invoke scene through buttons.

The Lumos Controls ecosystem comprises controllers, sensors, switches, modules, drivers, gateways, and analytical dashboards. The ecosystem is listed by the **Design Lights Consortium (DLC)**, qualifying it for energy conservation incentive programs and rebates by utility companies.

Specifications

Environmental

Specifications	Value
Operating temperature	-10 to 40°C (14 to 104°F)
Operating humidity	≤90% RH (Non-condensing)
Control Pollution Degree Degré de pollution de contrôle	Pollution Degree 2 Degré de pollution 2

Bluetooth

Specifications	Value
Frequency range	2402-2480MHz
Transmit power	8dBm
Accept power	-95dBm

Features

- 8 programmable buttons configurable through the Lumos Controls mobile application for multiple functions
- Distributed network communication based on BLE 5.2
- LED indications for commissioning and button press
- Over-the-Air firmware updates
- Personalized engraving service

Electrical

Specifications	Value
Input voltage	100-240VAC
Frequency	50-60Hz
Standby power consumption	<2W
Rated impulse voltage	2500V
Rated pulse voltage Tension d'impulsion nominale	2500V 2500 V
Endurance cycle	10000 cycles
Purpose of control Objet du contrôle	Manual Control Contrôle manuel

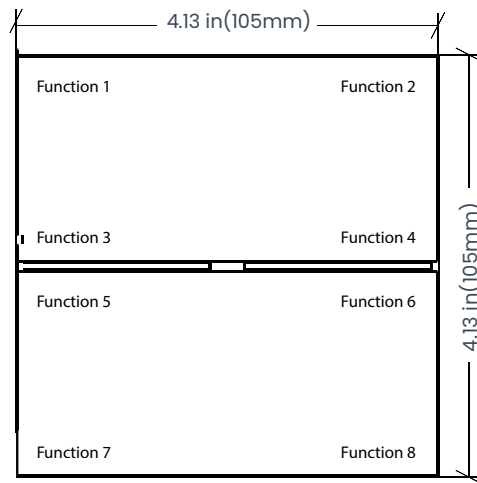
*Suitable for 18-16 AWG wires for power connections.

Mechanical

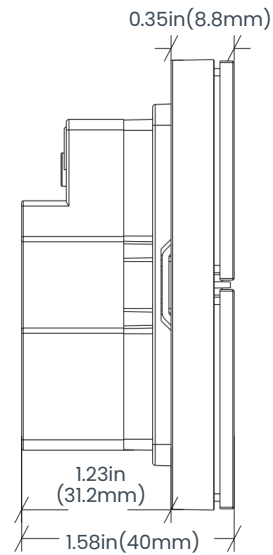
Specifications	Value	Remarks
Weight	130g (4.56oz)	
Dimension	105x105x40mm (4.13 x 4.13 x 1.58in)	L x W x H

Product Dimensions

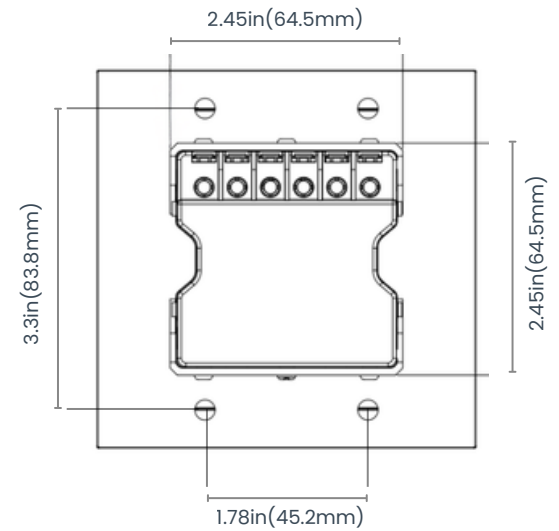
Front Panel



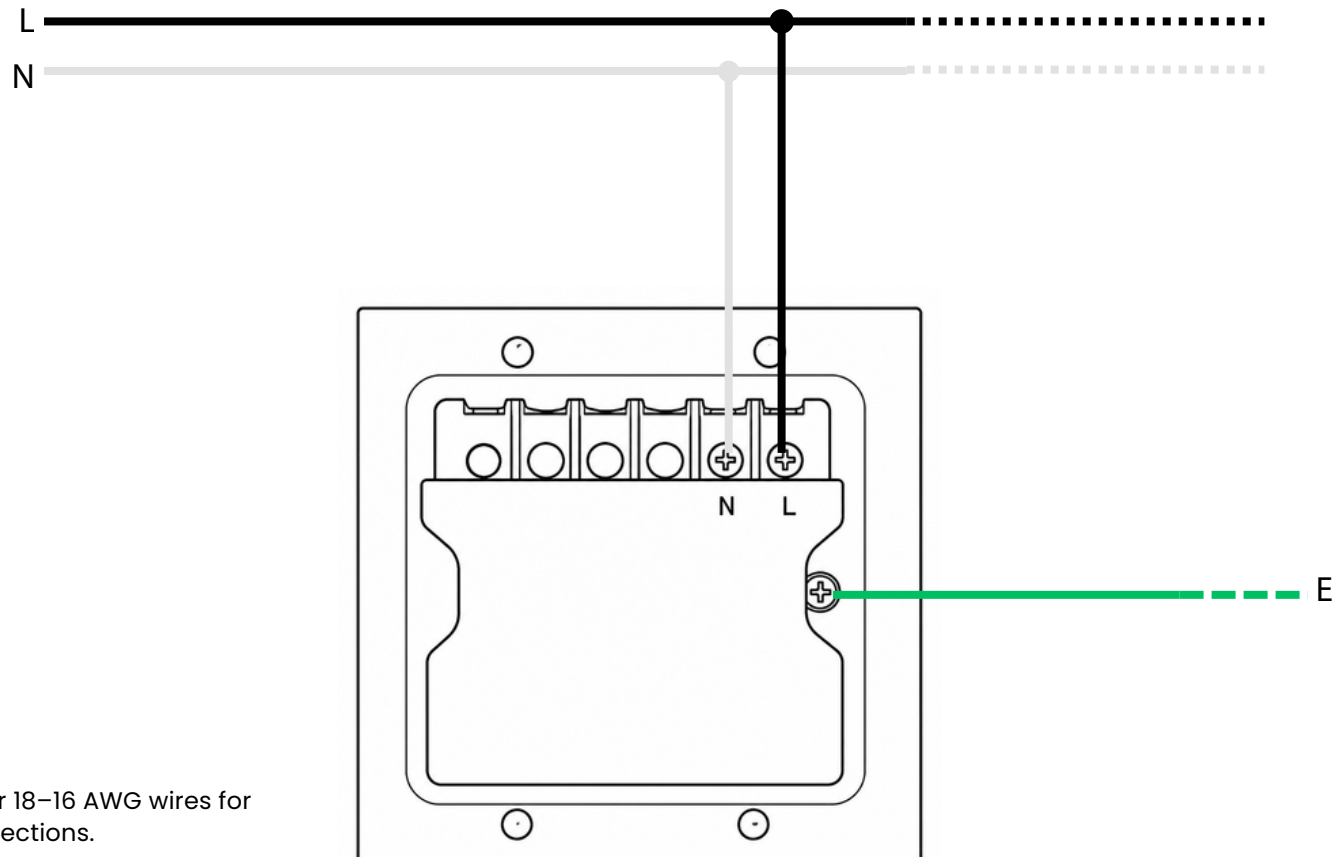
Panel side



Back of the panel



Wiring Diagram



*Suitable for 18–16 AWG wires for power connections.

Product Installation

1 Safety First

- De-energize the Circuit: Locate your main electrical panel and turn OFF the specific circuit breaker for the installation area.
- Verify Power is Off: Use a non-contact voltage tester to confirm no current is flowing to the wires before proceeding.

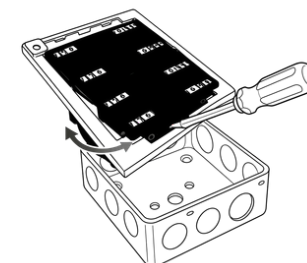
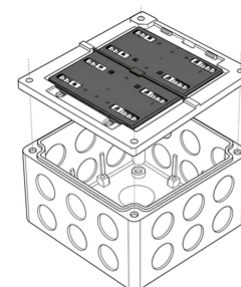
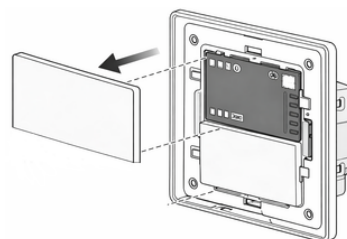
2 Box Preparation & Mounting

- Standard Selection: Use a standard 4x4" square junction box with a minimum depth of 2 1/8" to allow sufficient volume for wire management.
- Check Mounting Alignment: Ensure the box has mounting holes spaced 45.2mm apart at the top and bottom.
- Adapter Requirement: If the hole spacing is incompatible, install a 4x4" mud ring onto the box.
 - Note: Ensure the mud ring is oriented so the device mounting tabs are positioned at the top and bottom



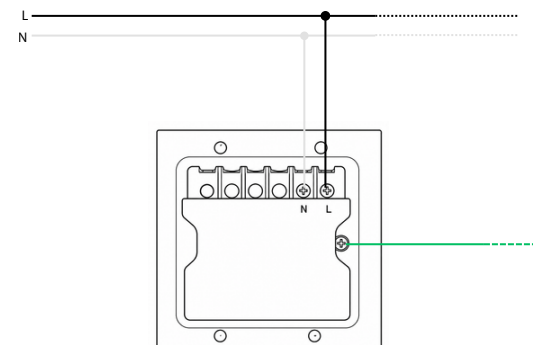
3 Switch Disassembly

- Remove Trim Plates: Carefully detach the outer decorative faceplates using hand.
- Remove the inner sub-plate from the switch chassis using a screwdriver.
- Set these aside to prevent scratching.



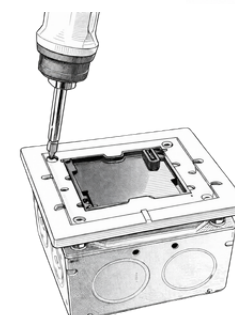
4 Electrical Connections

- Terminal Wiring: Insert the Line (Hot) and Neutral wires from the mains supply into the designated L and N terminals on the rear of the switch housing.
- Connect the protective Earth (ground) conductor to the designated terminal as shown on the rear of the switch housing.
- Secure Connections: Tighten the terminal screws firmly. Give each wire a gentle "tug test" to ensure it is seated correctly.

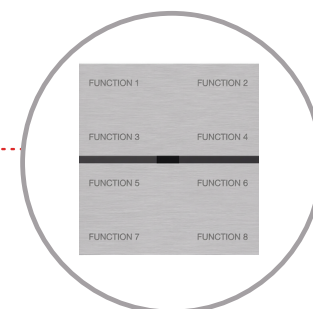


5 Final Assembly

- Mount the Chassis: Align the switch backplate with the mounting holes on the mud ring or junction box. Secure it using the screws.
- Reinstall Plates: Snap or screw the middle plate back onto the chassis, followed by the front decorative plate.
- Restore Power: Turn the circuit breaker back ON and test the switch for functionality.

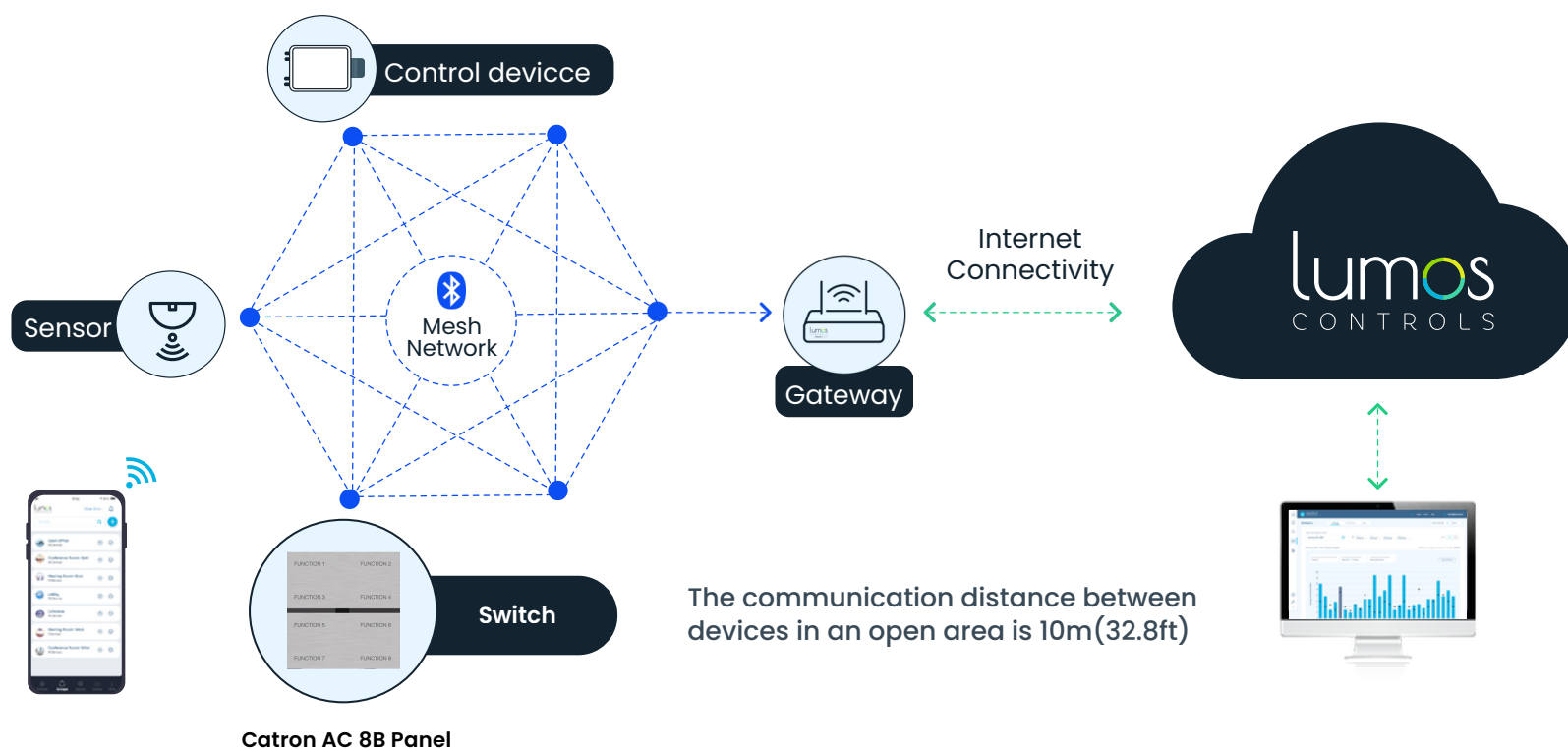


Application



Catron AC 8B Panel

Smart Ecosystem



Ordering Information

Product Name	Product Code	Product Description	Color Options
Catron AC 8B Panel	WSA8B-CG	Wireless AC-Powered 8 Button Switch	 Champagne Gold
	WSA8B-SS		 Snowflake Silver
	WSA8B-CS		 Champagne Silver
	WSA8B-MB		 Mica Black
	WSA8B-FR		 Ferrari Red
	WSA8B-AO		 Amsterdam Orange
	WSA8B-LG		 Luxembourg Gold
	WSA8B-HB		 Hawaiian Blue
	WSA8B-WH		 White (Electrophoresis Finish)
	WSA8B-GS		 Glacier Silver (Brushed)
	WSA8B-GG		 Gemstone Gray
	WSA8B-GR		 Geneva Red
	WSA8B-SG		 Sumatran Gray
	WSA8B-DC		 Dark Coffee
	WSA8B-EG		 Electroplated Gold
	WSA8B-ES		 Electroplated Silver

Note: Contact our sales team for color options and custom engraving details at sales@lumoscontrols.com

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