

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.

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

Specifications

Electrical

Specifications	Value
Input voltage	100-240VAC
Frequency	50-60Hz
Standby power consumption	<2W

Environmental

Specifications	Value
Operating temperature	-10 to 40°C (14 to 104°F)
Operating humidity	≤90% RH (Non-condensing)

Bluetooth

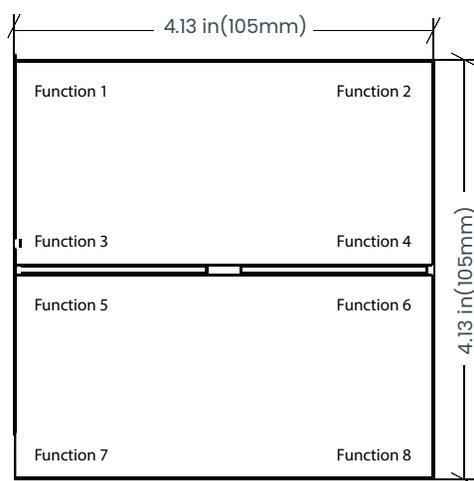
Specifications	Value
Frequency range	2402-2480MHz
Transmit power	8dBm
Accept power	-95dBm

Mechanical

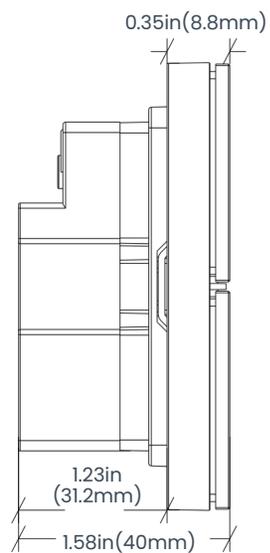
Specifications	Value	Remarks
Weight	130g (4.56oz)	
Dimension	105x105x40mm (4.13 x 4.13 x 1.58in)	L x W x H

Product Dimensions

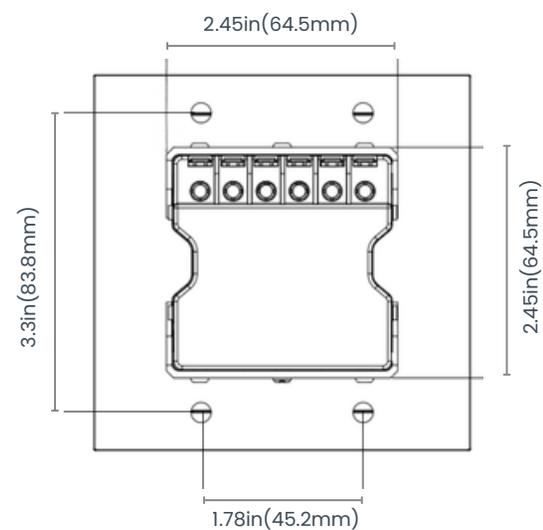
Front Panel



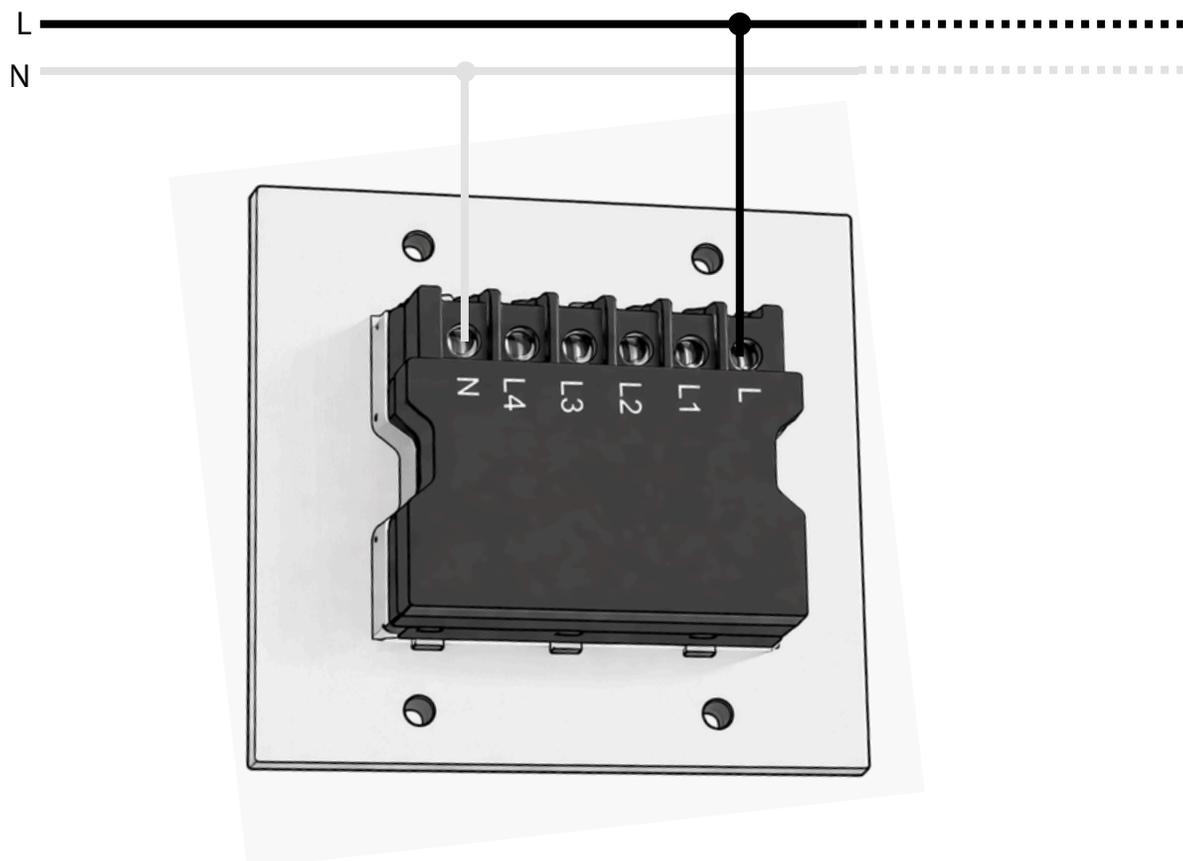
Panel side



Back of the panel



Wiring Diagram



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.

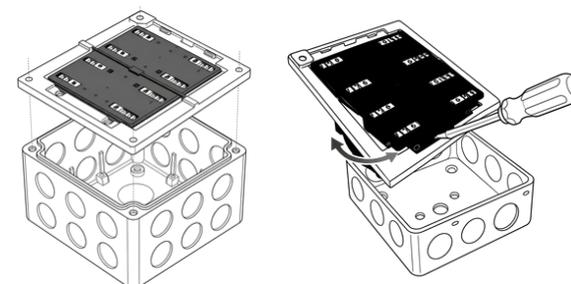
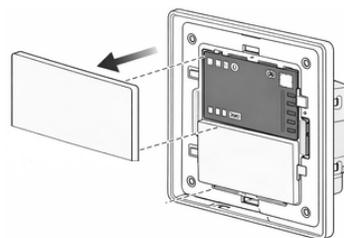
2 Box Preparation & Mounting

- 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



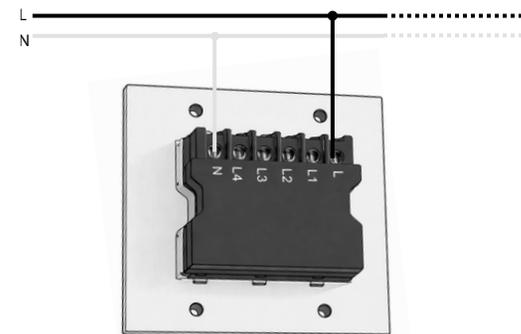
3 Switch Disassembly

- 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.



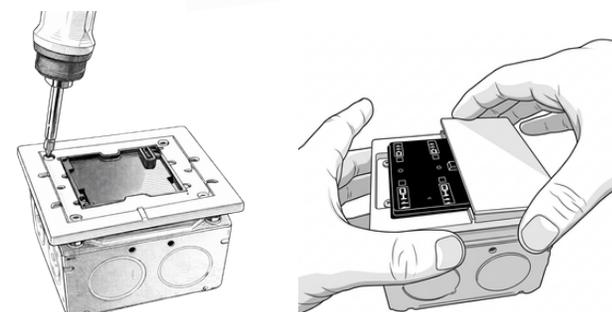
4 Electrical Connections

- 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.
- Secure Connections: Tighten the terminal screws firmly. Give each wire a gentle "tug test" to ensure it is seated correctly.

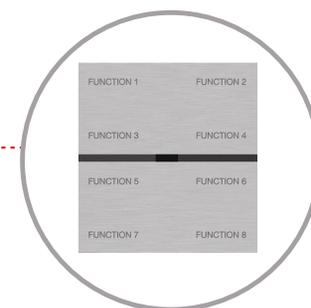


5 Final Assembly

- 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.

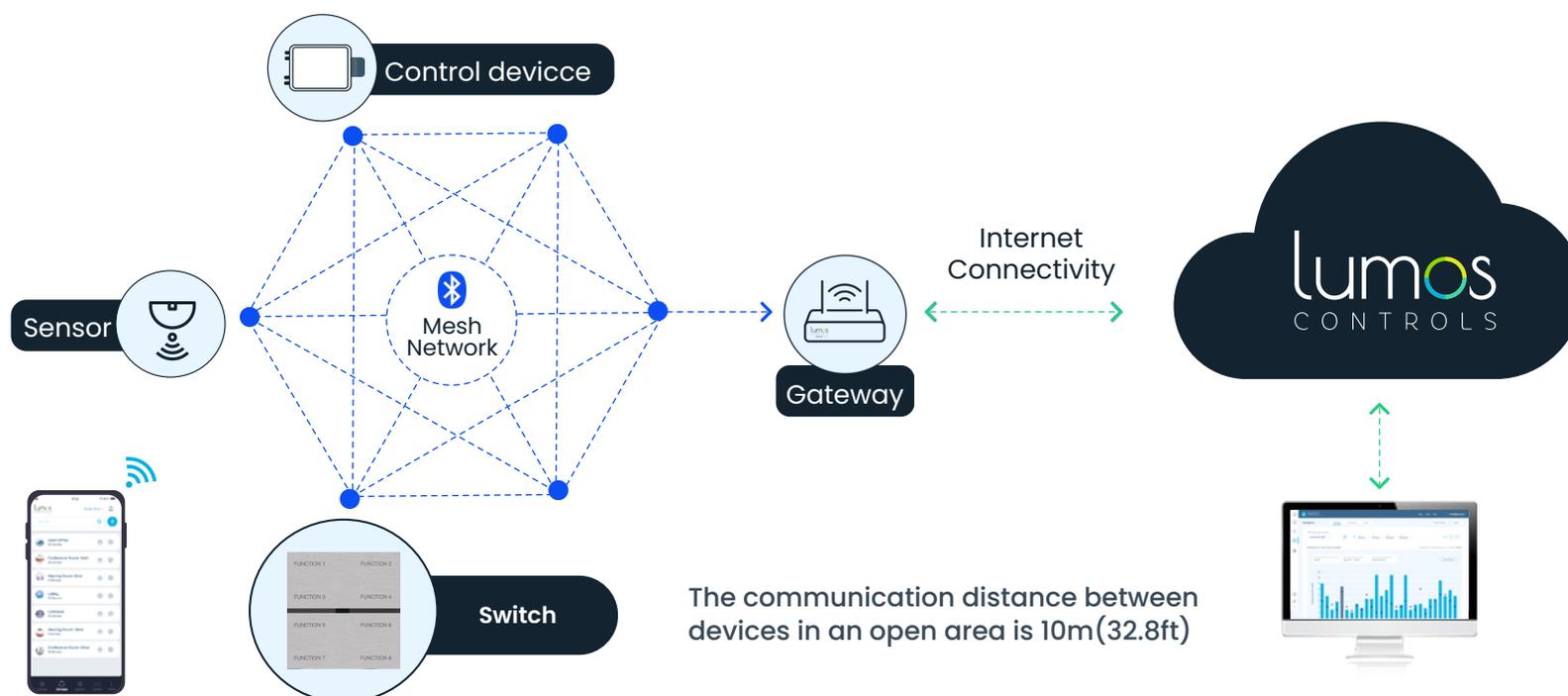


Application



Catron AC 8B Panel

Smart Ecosystem



The communication distance between devices in an open area is 10m(32.8ft)

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Ordering Information

Product Name	Product Code	Product Description	Color Options
Catron AC 8B Panel	WSA8B	Wireless AC-Powered 8 Button Switch	 Champagne Gold  Snowflake Silver  Champagne Silver  Mica Black  Ferrari Red  Amsterdam Orange  Luxembourg Gold  Hawaiian Blue  White (Electrophoresis Finish)  Glacier Silver (Brushed)  Gemstone Gray  Geneva Red  Sumatran Gray  Dark Coffee  Electroplated Gold  Electroplated Silver

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

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