Catron AI

Wireless switch interface device

lumos CONTROLS A WISILICA BRAND

INSTALLATION AND QUICK START SHEET

Do's	Don'ts
Installation should be performed by a qualified electrician	Don't use outdoors
Installation shall be in accordance with all applicable local and NEC codes	Avoid input voltage exceeding maximum rating
Turn the power OFF at circuit breakers before wiring	Don't dissemble the products
Observe the correct polarity of output terminal	
Place devices as far away as possible from metallic materials	
Devices work best in when there is a clear LOS between them	
When placing devices inside metallic boxes, please ensure the antenna comes out of the boxes	

WARNING AND GUIDELINES!!!

Read and follow all safety instructions!!

DO NOT INSTALL DAMAGED PRODUCT! This product has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.

WARNING : TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE WIRING

WARNING: Risk of Product Damage

- Electrostatic Discharge (ESD): ESD can damage product(s). Personal grounding equipment should be worn during all installation or servicing of the unit
- Do not stretch or use cable sets that are too short or are of insufficient length
- Do not modify the product
- Do not mount near gas or electric heater
- Do not change or alter internal wiring or installation circuitry
- Do not use product for anything other than its intended use

WARNING - Risk of Electric Shock

- Verify that supply voltage is correct by comparing it with the product information
- Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements
- All wiring connections should be capped with UL approved recognized wire connectors
- All unused wiring must be capped

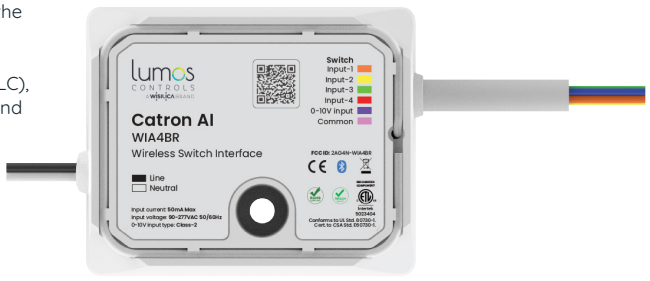
Specifications	Value	Remarks
Input voltage	90-277VAC	Rated Input voltage
Supply frequency	50-60Hz	–
Inrush current	4A	–
Surge transient protection	4kV	@Line to Line: Bi-Wave
Standby current	9mA	@Line to Line: Bi-Wave
Frequency range	2402-2483MHz	–
Tx power	8dBm	With 150mm external wire antenna
Rx sensitivity	-95dBm	–
Connection distance (Device to device by mesh)	45m(147.6ft)	In an open office environment (Line of Sight)
Operating temperature	-20 to 50°C(-4 to 122°F)	–
Relative humidity	85%	–
Dimensions	45.1 x 35.1x 20.2 (mm) 1.7x1.4x0.8 (in)	L x W x H
Weight	30.0g(1.06 oz)	
Case material	Polycarbonate	White color
Flammability rating	UL 94 V-0	–

PRODUCT OVERVIEW

Catron AI is a switch interface which can be connected to 4-toggle switches or push-button switches and a dimmer switch, to controlintensity and CCT of luminaires. This compact device has a built-in Bluetooth Module which enables it to communicate with the lighting network wirelessly. It is a part of the Lumos Controls ecosystem, comprising controllers, sensors, switches, modules, drivers, gateways and analytical dashboards.

The device can be configured, commissioned, and controlled from anymobile device super-quick and can connect to the Lumos Controls cloud for data analytics.

The ecosystem is listed by the Design Lights Consortium (DLC), qualifying it for energy conservation incentive programs and rebates by utility companies.



REQUIRED TOOLS & SUPPLIES

Screwdriver Screws

INSTALLATION INSTRUCTIONS

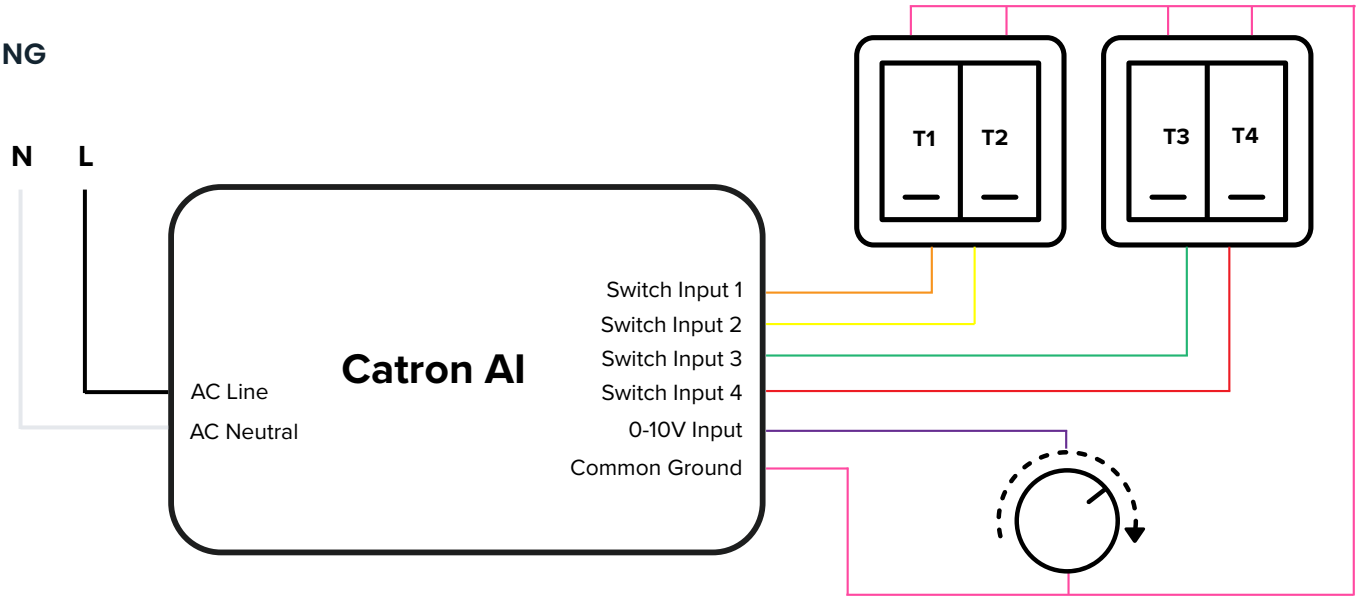
1. Turn OFF the power before wiring and installing the device.

2. The Catron AI with a compact formfactor can be installed anywhere within the switch box or the junction box. The screw hole available on the Catron AI can be used to fix it firmly.

3. To power theCatron AI, connect the AC line and neutral wires from the mains supply to the Line (black), and Neutral (white) of the device.

4.Connect the input lines fron the Catron AI to the respective switches.

WIRING

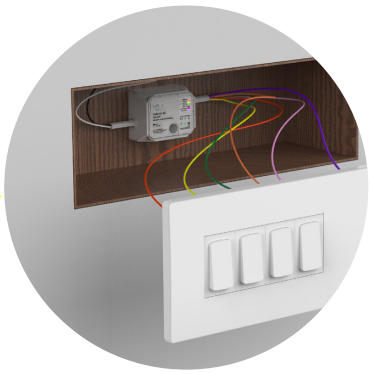


MOUNTING STEPS- STANDARD

Install the electrical box as per the local, state & national electrical codes and requirements

- Turn power OFF at circuit breaker and ensure the power is OFF before wiring.
- Use electrical screw driver to remove three ½ inch knockouts (KO) from the junction box and they can be used for feeding Catron AI, mains input and connections to the driver.
- Take the AC line and neutral main wires through another KO hole of junction box.
- Connect the line(black) and neutral wires(white) of the Catron AI with the line and neutral wires from mains.
- Take the Line and neutral wires from the driver in to the J-box through another knockout hole.
- Connect the input lines fron the Catron AI to the respective switches.
- Install electrical box cover plate.
- Restore power to the circuit breaker.

APPLICATION



Catron AI

RF Guidelines

If paring of devices are getting failed continuously then it may be due to BLE traffic. To reduce the traffic, power OFF other devices in the vicinity and pair again.

TROUBLESHOOTING

Light doesn't turn ON immediately after operation	Check whether you have set up a transition time
Light doesn't respond to switch operation	• The connection is not appropriate • The wires are not secured firmly with connectors

COMMISSIONING

Once powered up, the device will be ready to be commissioned via the Lumos Controls mobile app, available for free download on iOS and Android. To begin commissioning, click the '+' icon from the top of the 'Devices' tab. The app allows you to preset certain configurations which will be loaded after the device is added. The pre-configurations made using 'Commissioning Settings' will be sent to the devices being commissioned.

Once commissioned, the device will be displayed in the 'Devices' tab'.

Please visit Help center for more details

WARRANTY

5-year limited warranty
Please find warranty terms and conditions
Note: Specifications may change without notice
Actual performance can vary due to end-user environment and application

LUMOS CONTROLS APPLICATION

Download the '**Lumos Controls**' application from Play Store or App Store

OR

Scan the QR codes to download the '**Lumos Controls**' application

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ISO/IEC 27001:2013 Information security certified

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