Installation of the light-controlled switch module



Overview

Smart light modules (Two versions) These modules work with Philips Hue and other Zigbee smart lights and allow you to control them with your existing wall switch without cutting power to the bulbs.

Key Takeaways

To connect a light-controlled switch module, you need to wire the live, neutral, and load lines correctly, integrate the module with your switch or sensor, and follow safety precautions to ensure proper operation. Step 1: Safety FirstAlways turn off power at the circuit breaker before starting any installation. Use a non-contact voltage tester to confirm that the wires are not live.

Wear insulated gloves and eye protection to prevent electric shock or injury during installation. Step 2: Identify WiresMost light-controlled switch modules require the following connections: Line (Live/Hot): Incoming power from the breaker (usually black or brown)Load: Wire going to the light fixtureNeutral: Return path (usually white or blue)Ground/Earth: Safety wire (green/yellow)Switch input: For modules that allow a physical wall switch to act as a local trigger Step 3: Connect the ModuleLine to Module: Connect the live wire from the breaker to the module's Line (L) input. Load to Module: Connect the module's output (L out) to the light fixture's live wire.

Neutral Connection: Connect the module's Neutral (N) to the fixture neutral and the circuit neutral. Switch Wiring: If using a wall switch, connect it between the module's switch terminals (S1/S2) so it can act as a local trigger. For wireless modules, you may only need to connect power and neutral, then configure the module via an app or smart home system.

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Step 4: Secure the ModulePlace the module inside the wall box or near the fixture, ensuring wires are neatly arranged and insulated. Avoid cramming wires to prevent overheating or short circuits. Step 5: Restore Power and TestTurn the breaker back on and test the module: Check if the light responds to the wall switch.

Test sensor or app control if applicable. Adjust settings such as dimming levels, schedules, or light sensitivity according to the module's instructions. Step 6: Optional Smart FeaturesMany light-controlled modules integrate with smart home systems like Alexa, Google Home, or Apple HomeKit.

You can: Set timers or schedulesControl lights remotely via smartphoneAdjust brightness or color temperature if supportedAutomate lights based on motion or daylight sensors By following these steps, your light-controlled switch module will be safely installed and fully functional, providing both manual and automated control over your lighting system.

Article Content

Full Guide For Hue In-Wall Solutions

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Wall switch module

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