

How to connect the light-controlled switch module



AI Overview

To connect a light-controlled switch module, you need to wire the module between the power source and the light fixture, ensuring proper connections for live, neutral, and ground wires, and follow the module's control input instructions.

Step 1: Safety First Always turn off the circuit breaker before handling any electrical wiring. Use a non-contact voltage tester to confirm that the power is off before touching wires to prevent electric shock or fire hazards.

Step 2: Identify Wires A typical light-controlled switch module will have:

- Live (L) input - connects to the incoming hot wire from the power source.
- Neutral (N) input - connects to the neutral wire from the power source.
- Load output - connects to the light fixture's hot wire.
- Ground (GND) - connects to the grounding wire for safety.

Some modules may also have control input terminals for sensors or microcontrollers.

Step 3: Wiring the Module Connect the live wire from the power source to the module's live input terminal. Connect the neutral wire from the power source to the module's neutral terminal. Connect the load wire from the module's output to the light fixture's hot terminal. Connect the ground wire to the module's ground terminal and the fixture's ground if available. If using a microcontroller or sensor, connect the control input according to the module's specifications (e.g., digital input for Arduino or IR sensor input).

Step 4: Mounting and Testing Secure the module in a safe location, avoiding contact with metal surfaces. Restore power at the breaker. Test the module by triggering the light control (e.g., via sensor, remote, or programmed microcontroller) to ensure the light turns on and off correctly.

Step 5: Optional Integration For advanced setups: Arduino or microcontroller integration allows remote control or automation. Connect the module's control input to a digital output pin and program the microcontroller to sw...

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JTPM1: TPM Module Connector This connector is for TPM (Trusted Platform Module). Please refer to the TPM security platform manual for more details and

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For more information, pricing, or custom solutions, please contact us:

Website: <https://www.mr-security.co.za>

Email: info@mr-security.co.za

Phone: +33 1 45 23 67 81

Address: 10 Rue de la Paix, 75002 Paris, France

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