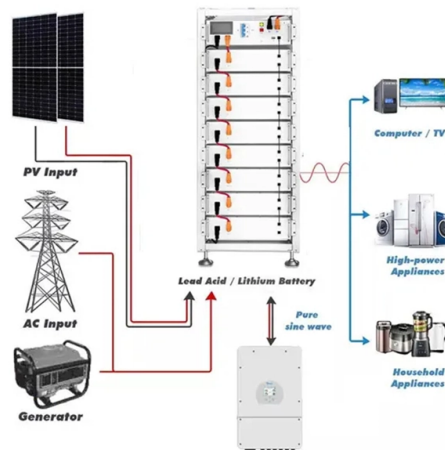


# How to wire the integrated light control module



## AI Overview

Wiring an integrated light control module involves connecting mains power, data, and input cables securely while following local electrical regulations and manufacturer guidelines. Preparation and Safety Before starting, turn off the main power supply to prevent electrical hazards. Ensure you have the correct tools, including screwdrivers, wire strippers, and cable fixing straps. Verify that the LCM model you are installing is compatible with your lighting system and that you have all necessary components, such as power modules, keypads, and control interfaces. Mounting the LCM The LCM can be mounted in any orientation on cable trays, walls, or directly to a ceiling slab. Use appropriate fixing straps to secure all cables independently, preventing strain or accidental disconnection. Ensure the mounting surface is reinforced if necessary to support the module's weight. Wiring Connections Incoming Mains Power: Connect the LCM to the mains supply using suitable compression cable glands. Follow the manufacturer's specifications for maximum current (e.g., 250 mA supply) and ensure proper grounding. Data and Control Lines: Run low-voltage control wiring (e.g., RS485, Ethernet, or proprietary bus lines) according to the system's wiring diagram. Keep data cables separate from high-voltage mains to avoid interference. Input Cables: Connect sensors, switches, or other input devices to the designated terminals. Ensure polarity and signal type match the LCM specifications. Use the slot nearest to the bottom of the enclosure for secure connections. Securing and Testing Cable Management: Use cable ties or straps to prevent loose wires and maintain a clean installation. Avoid sharp bends or kinks in the cables. Power-On Test: After wiring, restore power and verify that the LCM powers up correctly. Check that all connected devices respond as expected. The module may perform an auto...

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What is intelligent lighting control module The intelligent module is the execution unit and control terminal of the lighting control system, which forms an organic whole with the background

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