

DIRECT Series Lighting Control Module



DR-KP08CD

8-Key Intelligent Wall Plate

DR-KP08CD supports seamless connection of up to 61 panels. It matches with a variety of panels of different materials and colors. It provides eight control keys. The reset tact switch has a rugged structure and stable performance. DR-KP08CD can implement single control or scene control of devices used for light switching, dimming, and curtain opening and closing, etc.

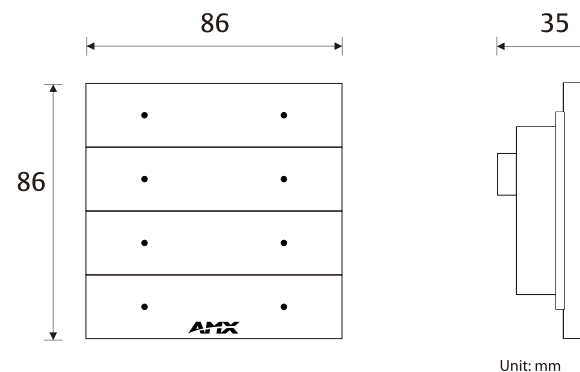
Features

- Provide eight programmable keys with indicators.
- Control the light and other scene-based functions by pressing or releasing the keys.
- Each key has a background color LED and an active color LED.
- Support online refresh of programs, with DR-Link bus disconnection fault alarm.
- Support RS485 and DR-LINK bus communication, and cascade up to 61 units.

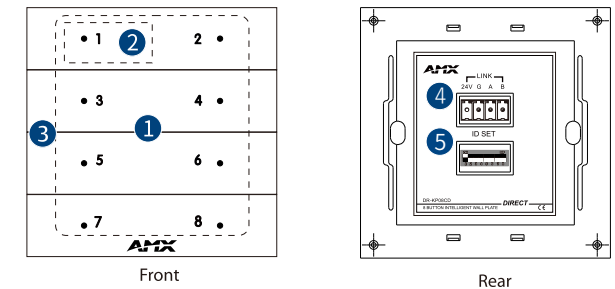
Technical Specifications

Operating voltage	24 V DC±5%
Maximum power consumption	≤0.79 W
Key input	8 keys
Exterior color	Black
Key type	Reset tact key
Bus interface	1×DR-Link buses
Bottom box opening size (L × W × D)	77 mm × 77 mm × 45 mm
Operating temperature/humidity	-5°C to 45°C/≤90% RH
Storage temperature/humidity	-20°C to 60°C/≤93% RH
External dimensions (L × W × H)	86 mm × 86 mm × 35 mm
Mounting mode	Installed in a standard switch box (86mm*86mm at the bottom)
Net weight	≤96.8 g/PCS

Dimension Drawings

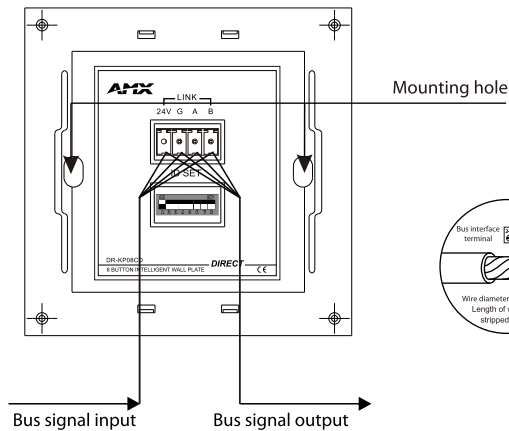


Product Structure



1. Key and key indicator:
 - Key trigger: Trigger conditions can be set by software to control the switch, dimming, and scene.
 - Indicator: The indicator can be bound to synchronize with the switch, dimming, and timing.
Note: The key indicator light is orange.
2. Bus anomaly: When the bus is abnormal, key indicator 1 on the panel will keep blinking. At this time, issues such as line anomaly and duplicated addresses need to be ruled out.
3. Backlight indicator:
 - Standby backlight color: The backlight color is white, and the default brightness is 0%.
 - Standby backlight brightness setting: When you press key 3 and key 4 at the same time, the backlight will blink slightly. When you press key 3, the brightness increases. When you press key 4, the brightness decreases. After adjusting to the desired brightness, if you press key 3 and key 4 at the same time again, the backlight indicator will blink slightly again, and the setting is completed.
Note: This parameter can only be set via hardware.
 - Backlight off time: Backlight will illuminate after the key is pressed. The backlight turns off in 30s if there is no other operation.
4. Bus interfaces: 24V, G, A, and B. When cascading with other bus interfaces, do not connect them wrongly.
5. Address setting: The factory default address is 01, and the address range is 01-63 (decimal). The address can be set using an 8-digit dial, binary dial mode. For setting method, see "address setting description" in the section "Wiring Diagram of a Single Product".

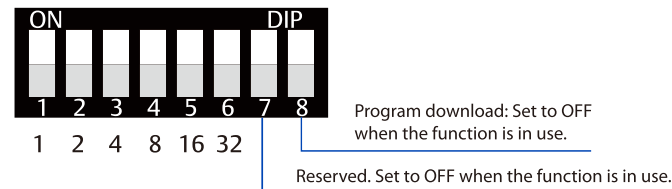
Wiring Diagram of a Single Product



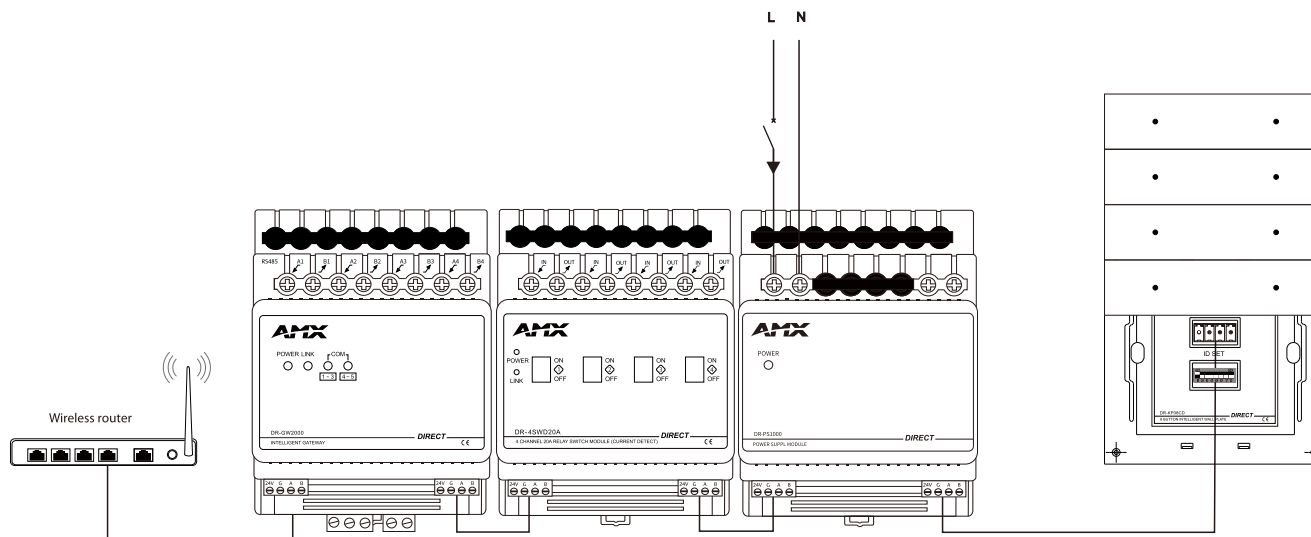
Address setting description

The DIP switch has 8 digits, namely, 1, 2, 4, 8, 16, and 32. Each digit represents a numerical value. The sum of the values represented by the digits dialed to ON is the address code of the device (as shown in the figure, address code 11 is: 1+2+8=11, and address code 30 is: 2+4+8+16=30).

The address setting range is 1-63. The device address must be unique in the system.



Wiring Diagram of Multiple Products



Safety Use and Maintenance

- Read all instructions carefully before using the product.
- Keep the environment well ventilated.
- During use, pay attention to moisture-proof, shock-proof and dust-proof.
- It is strictly forbidden to expose the product to rain, other liquids or corrosive gases.
- If the product is damp or the liquid enters the product, it should be dried in a timely manner.
- When the product fails, please contact professional maintenance personnel or HARMAN.

Contact Method

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