

DIRECT Series Lighting Control Module



DR-TP0404

4-Inch Touch Panel

DR-TP0404 supports seamless connection of up to 61 panels. It matches with a variety of panels of different materials and colors. It provides 36 control keys and supports capacitive touch screen control. It can be used to adjust the screen brightness, backlight brightness, and standby time. You can customize key names and standby names. With a built-in buzzer and rapid response during control, DR-TP0404 can implement single control or scene control of devices used for light switching, dimming, and curtain opening and closing, etc.

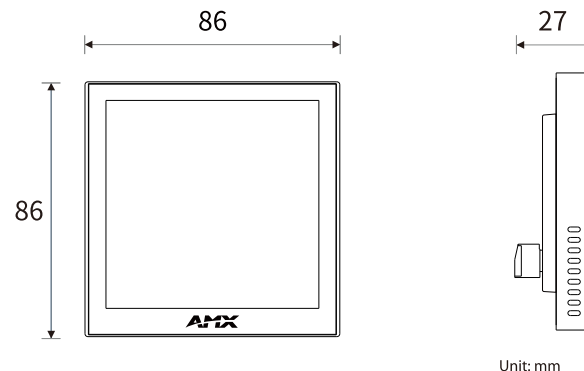
Features

- Capacitive touch keys comply with smartphone operating habits.
- The standby protection function enables the system to automatically return to the standby page when there is no operation.
- Elegant full-screen tempered glass panel design.
- 4-inch TFT 65K color, 16-bit RGB true color industrial-grade screen, 480×480 high resolution.
- Control the lighting, curtains and other scene-based functions by pressing or releasing the corresponding key; support bidirectional communication.
- The operation interface can be edited, and the graphical interface supports pictures, graphics, text, and 3D keys.
- Provide an open interface editing platform.
- Support RS485 and DR-LINK bus communication, and cascade up to 61 units.

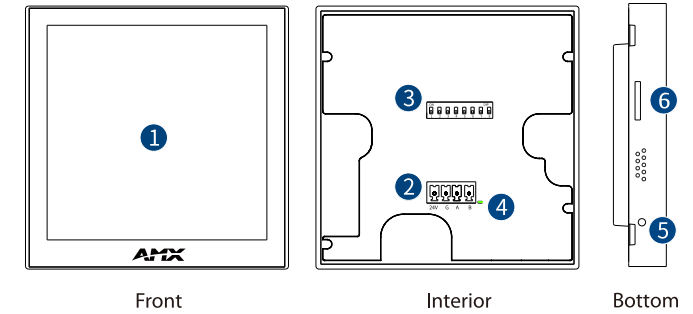
Technical Specifications

Operating voltage	24 V DC±5%
Maximum power consumption	≤1.63 W
Communication interface	1×DR-Link
Screen size	4 inches
Screen color	65K colors/16-bit RGB
Touch screen	Single point, swiping capacitive touch screen
Screen resolution	480×480
Project download interface	Micro-SD card
Bottom box opening size	77 mm × 77 mm × 40 mm
Frame color	Black
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 × 27 mm
Mounting mode	Installed in a standard switch box (86mm*86mm at the bottom)
Net weight	≤109.6 g/PCS

Dimension Drawings



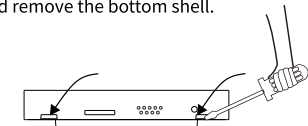
Product Structure



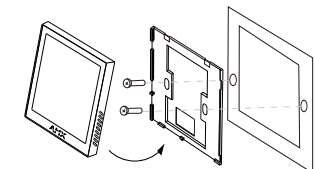
1. Touch screen operating area
2. Bus interfaces: 24V, G, A, and B. When cascading with other bus interfaces, do not connect them wrongly.
3. Address setting: The factory default address is 01, and the address range is 01-63 (decimal). The address can be set using a 8-digit dial, binary dial mode. For setting method, see "address setting description" in the section "Wiring Diagram of a Single Product".
 - Note: The back cover needs to be removed when dialing the digits.
4. Indicators: If the interconnection indicator grows solid green, the interconnection is normal. If this indicator blinks slowly, the interconnection is abnormal.
5. Restart key: Press the touch screen to restart the system.
6. Micro-SD card download interface: Used to download the program and update the firmware.

Installation Diagram

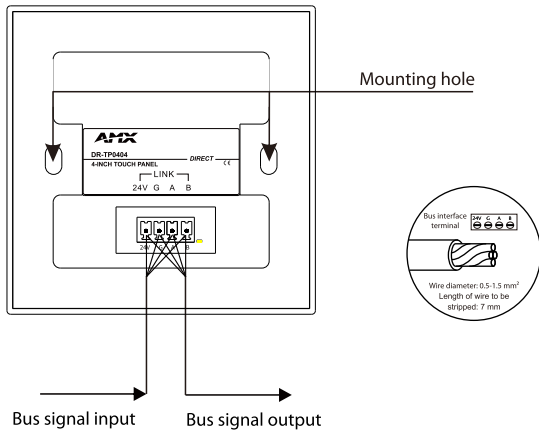
Step 1: Use a small flat-head screwdriver to pry off the two disassembly ports at the bottom, and remove the bottom shell.



Step 2: Use M4 * 25 screws to secure the bottom shell to the on-wall junction box, tilt the panel downward, buckle the card slot on the top, and press the bottom for snap-fit effect.



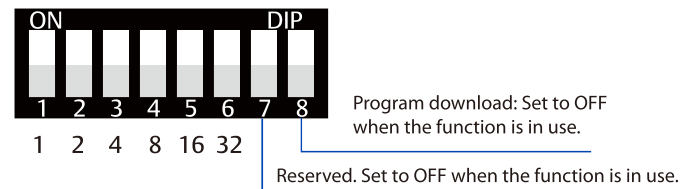
Wiring Diagram of a Single Product



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).

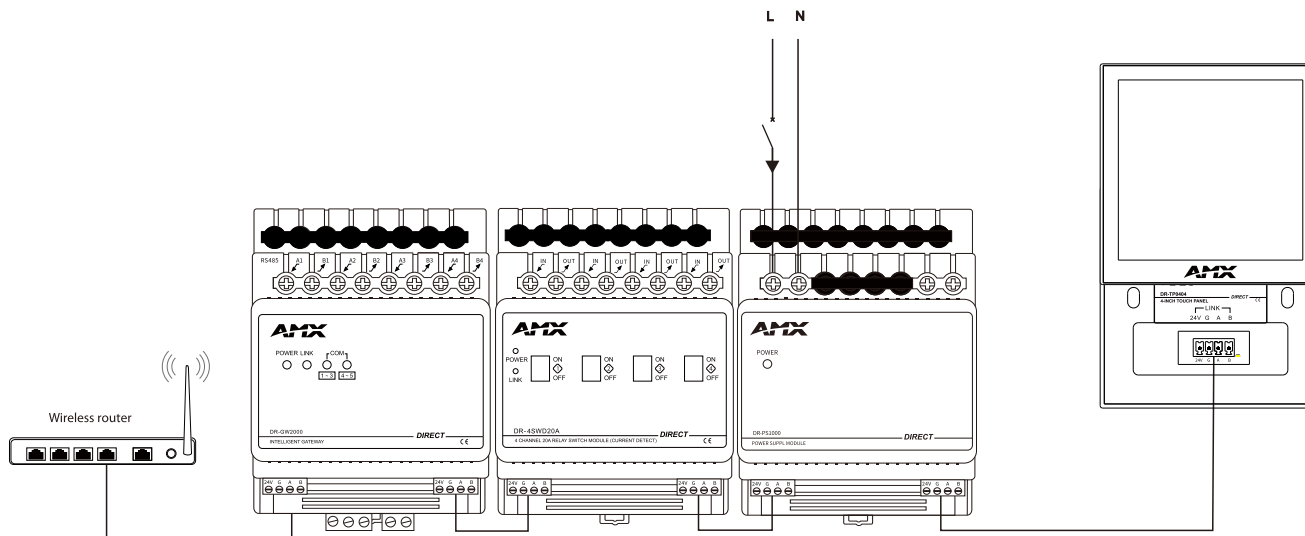
The address setting range is 1-63. The device address must be unique in the system.



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.

Wiring Diagram of Multiple Products



Contact Method

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3000 RESEARCH DRIVE, RICHARDSON, TX 75082

AMX.com | 800.222.0193 | 469.624.8000 | +1.469.624.7400 |

fax 469.624.7153