

DIRECT Series Lighting Control Module



DR-GW2000 Rail-mounted Intelligent Gateway

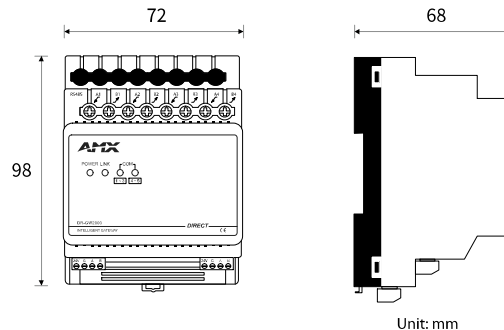
DR-GW2000 has diverse hardware interfaces and powerful computing and processing capabilities. It adopts industrial-grade chips and design, which is stable and reliable. It can integrate and convert various popular communication protocols (based on RS485 and RS232, TCP/IP, UDP protocol, ModbusRTU/TCP, etc.), and can be upgraded and customized according to actual needs, so as to achieve a truly intelligent solution.

Features

- Integrate and dock multiple third-party systems/device at the same time through the serial port or the network.
- Provide three types of independent serial communication interfaces.
- Dock with standard Modbus RTU/TCP, programmable RS232/RS485, TCP/IP or UDP, etc.
- Support the integration with devices such as home theater to control background music.
- Support the integration with the conference/central control system/hotel RCU systems.
- Support the integration with the security alarm and access control systems.
- Built-in clock, scene, and logic module functions.
- Support local/remote debugging and configuration.
- Access to Tuya ecology for remote control through the app and support voice control.
- Support 61 DR-Link secondary devices.
- Support reset key.
- Provide built-in DR-Link signal light. When the bus is abnormal, the host DR-Link will flash the fault alarm indicator.

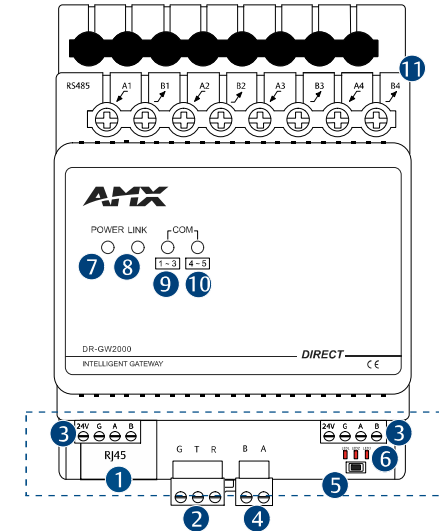
Technical Specifications

Operating voltage	24 V DC±5%
Rated power consumption	≤1.29 W
Network interface	1×RJ45 network interface (with indicator)
Bus interface	2×DR-Link buses
Quantity of secondary devices	61 DR-Link secondary devices
Function keys	1×reset key
Master serial port	1×RS232 master serial port
Programmable serial port	5×RS485
Project download	1×download network interface
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)	72 mm × 98 mm × 68 mm
Mounting mode	Standard 35 mm DIN rail mounting
Net weight	≤198 g/PCS



Unit: mm

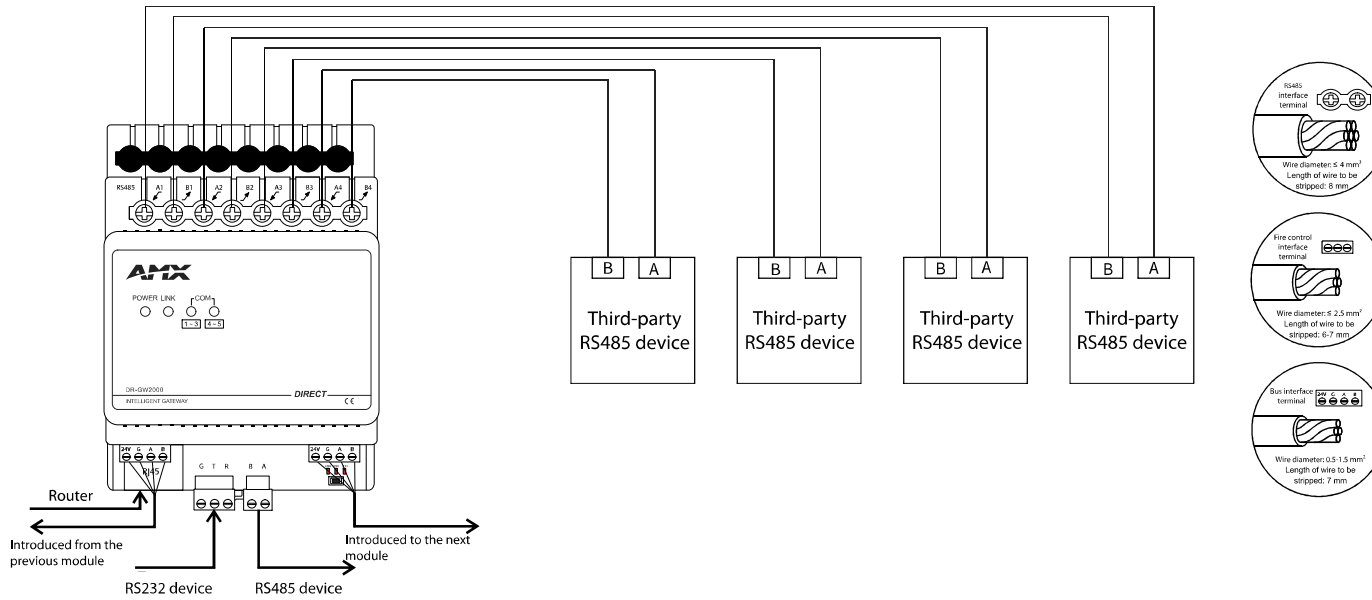
Product Structure



Note: When using the reset key, remove the baffle inside the dotted line box. To remove it, press the baffle down with your fingers, and then drag it backward to take it out.

1. RJ45 network port: The gateway enters the LAN or Ethernet through this port, and supports Modbus TCP protocol and TCP/UDP private protocol. The default IP address is automatic.
2. RS232 interface, main control port. The third-party central control device controls the bus device under DR-LINK through the communication interface 115200,8,1.
3. Bus interfaces: 24V, G, A, B.
4. RS485 interface COM5: 485 devices of different brands can be controlled by programming.
5. Reset key function: After short press once and long press once again, the gateway IP resumes automatic acquisition, and the default password is "Password"; After short press three times and long press once again, the gateway IP is 192.168.1.210, and the default password restores to "Password"; Unbinding graffiti function: Short press five times and long press once again. Note: The gateway software version shall be D230428V1.82.18 or above; Note: short press: Interval is less than one second. Long press: Interval is more than three seconds. When long pressing, the indication lights (LED1, LED2, LED3) flash, meaning it is resetting.
6. LED indicator 1: Plug-in indicator (for customized function)
LED indicator 2: Bus status indicator (after connecting or disconnecting the bus device, the indicator flashes three times and then grows solid, indicating that the bus is normal)
LED indicator 3: Internet connection indicator (The light turns solid, indicating that the connection is normal)
7. POWER: Power indicator.
8. LINK: The indicator used for counting the number of bus devices (The module will keep blinking after being powered on. Flicker count equals to the number of IDs of the bus device.)
9. COM1-COM3 interface indicator (A1, B1\A2, B2\A3, B3 interface indicator, it will flash once every time data is sent or received).
10. COM4-COM5 interface indicator (A4, B4\A5, B5 interface indicator, it will flash once every time data is sent or received).
11. RS485 interface COM1~ 4: 485 devices of different brands can be controlled by programming.

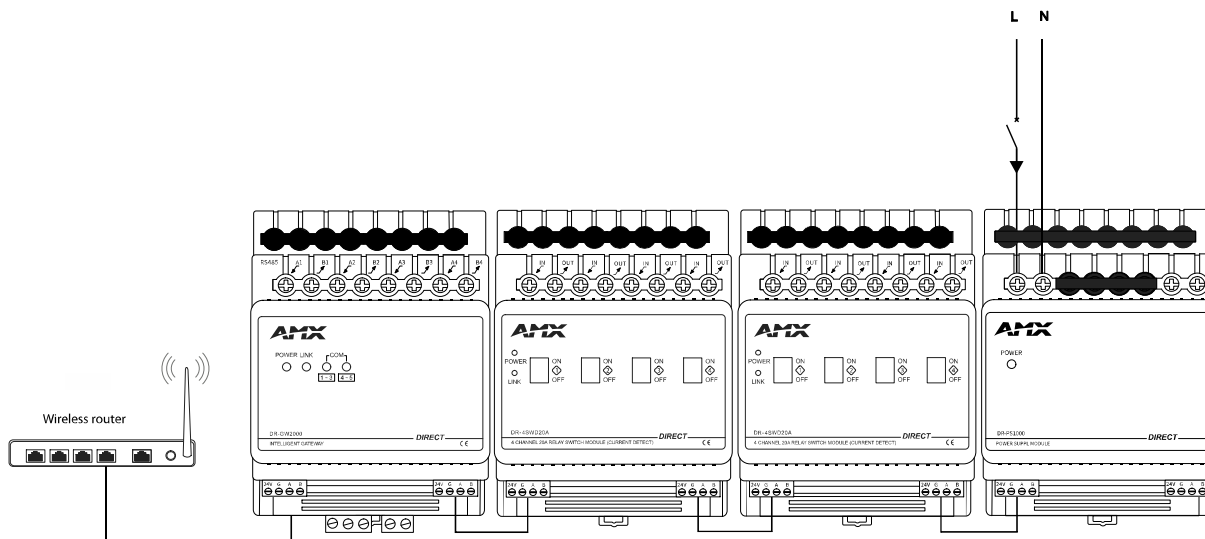
Wiring Diagram of a Single Product



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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