

## DIRECT SERIES LIGHTING CONTROL MODULE



### DR-4SWD16A

#### 4-CHANNEL 16A RELAY WITH 0-10V INTERFACE

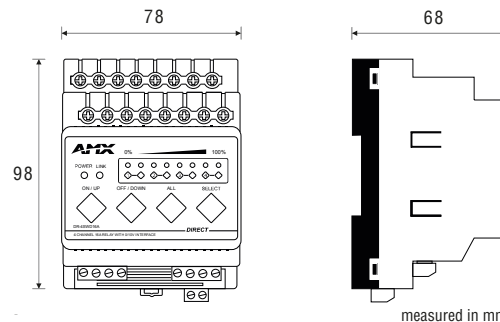
DR-4SWD16A DIN-rail mountable relay provides 4 channels of independent relay switching signal for 3520W lighting fixtures and 4 channels of 0-10V dimming signal for dimming driver of fluorescent lamps or LEDs.

## FEATURES

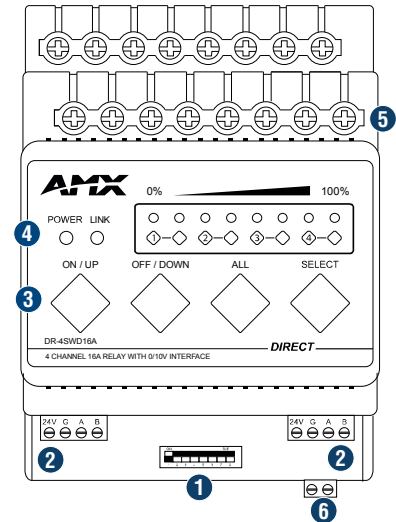
- Designed for standard 35mm DIN rail installation [Space Occupation: 4P (per P:18mm)].
- 4 channels of 16A relay switching signal and 4 channels of 1-10V dimming signal.
- Configurable initial value of each channel (relay and dimming).
- Sequential start of each channel to avoid power grid turbulence due to simultaneous startup.
- Physical control buttons for manual operation in case of networking malfunctions.
- Local or remote programming and commissioning.
- $\pm 2$  kV ESD protection to protect dimming port from short circuit and overcurrent.
- 3600 levels of dimming accuracy, 0%-100% dimming. Dimming curves can be set based on lamps to achieve true linear dimming.
- Online upgrading.
- Communication through DR-Link interface.

## SPECIFICATIONS

Power supply	DC 24V 200mA
Controlled circuit	4 × relay switches, 4 × 0-10V dimming channels
Surge current	AC 250V 170A
Current in each channel	16A
Mechanical lifetime	10,000,000 times
Electrical lifetime	100,000 times
Dimming	4 × 40 mA
Static power consumption	0.5W
Control interface	2 × DR-Link
Dimensions (L × W × H)	72 mm × 98 mm × 68 mm
Weight	265 g/pcs

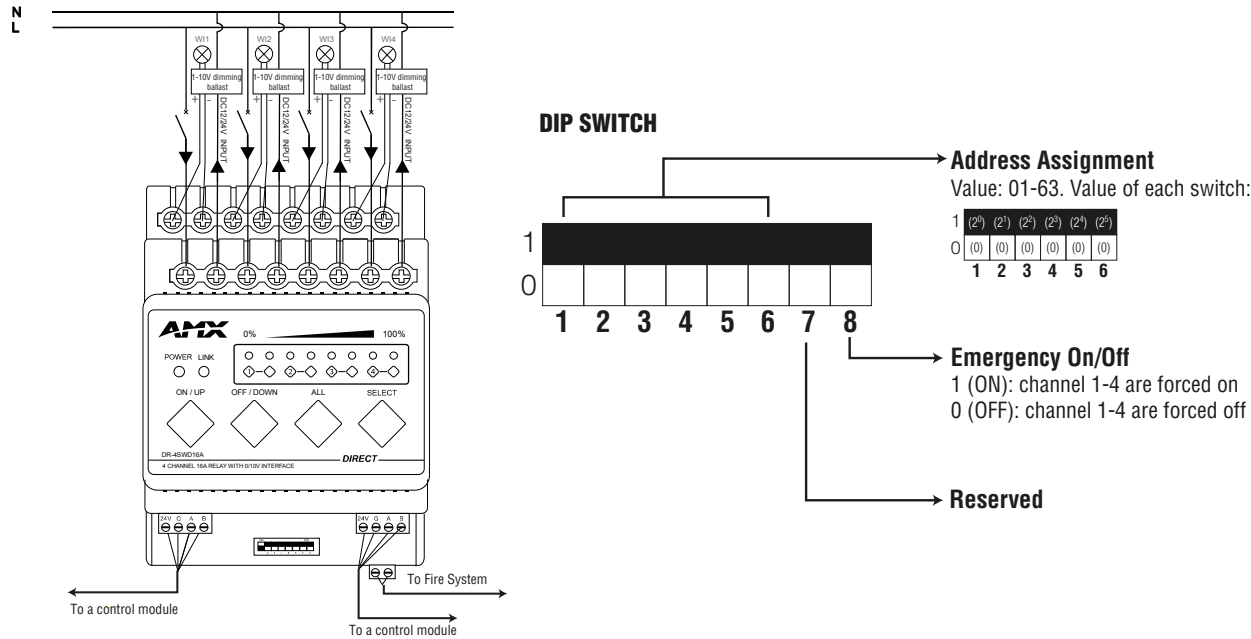


## STRUCTURE



- Dip Switch:**
  - Switches 1-6: for address assignment (01-63). For more information, please go to "Wiring of Single Module".
  - Switch 8: for emergency on/off: 1 (ON): channel 1-4 are forced on; 0 (OFF): channel 1-4 are forced off.
- DR-Link Interface:** 24V, G, A, B.
- Control Buttons:**
  - OFF/DOWN: press to switch off the relays.
  - ON/UP: press to switch on the relays.
  - ALL: press to switch on or off all the relays. Then indicators of all the channels will be off.
  - SELECT: press to choose one relay.
- LED Indicators:**
  - POWER: indicates status of power supply.
  - LINK: indicates the connection status. When solid on, the control interface is correctly connected; When blinking, a fault appears to the control interface connection.
  - Small LEDs: indicates the channel selected.
  - Large LEDs: indicates the relay status. If it's on, the relay is closed. If it's off, the relay is open.
- Relay Output Terminal:** one in and one out. Accepts  $\phi 4$  wires.
- Fire System Terminal:** All eight channels stay closed for normally closed signal or stay open for normally open signal. The fire alarm signal has higher priority than control signals.

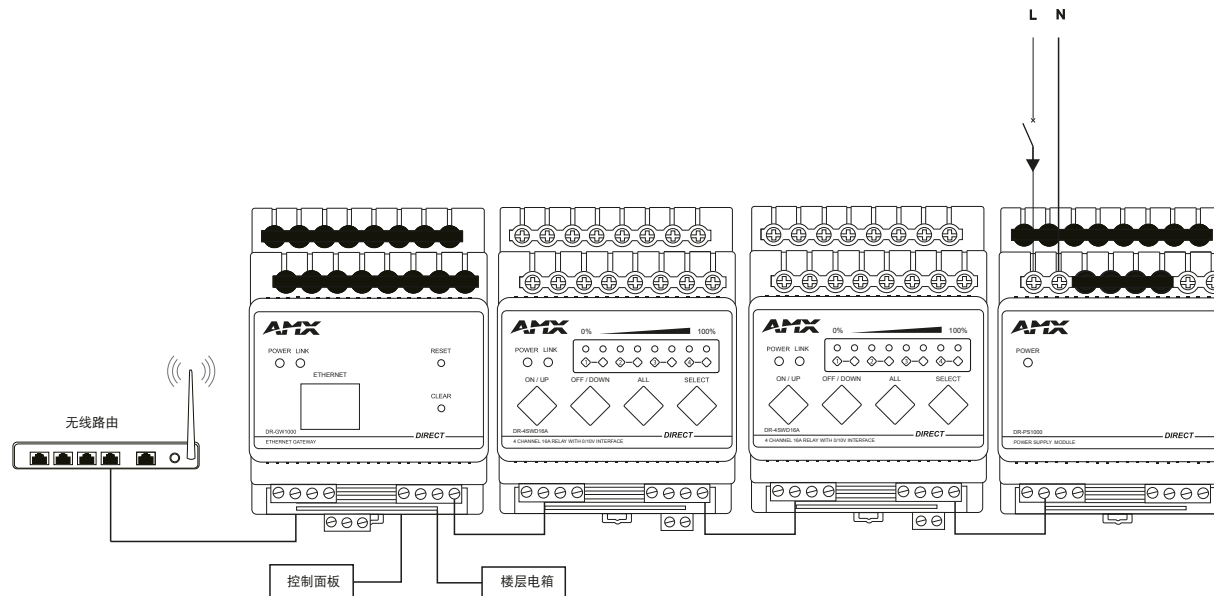
## WIRING OF SINGLE MODULE



## READ BEFORE USE

- Read this document carefully before use.
- Ensure the product is well ventilated.
- Avoid moisture, vibration and dust.
- Do not expose the product to rain, any types of liquid or corrosive gases.
- Dry the product immediately if it's affected by damp or splash.
- Refer all servicing to qualified service personnel or AMX if a product fault appears.

## WIRING OF MULTIPLE MODULES



## CONTACT

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