DIRECT SERIES LIGHTING CONTROL MODULE



DR-2DM1A

2-CHANNEL 1.5A CMOS TRAILING-EDGE DIMMER

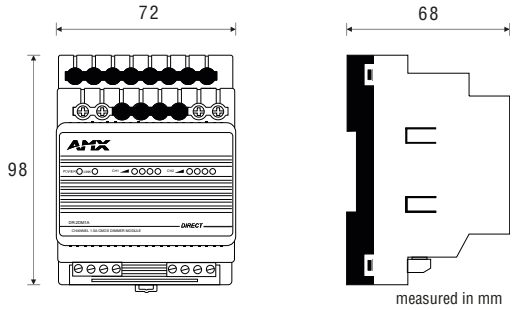
DR-2DM1A is a two-channel trailing-edge dimmer module designed to be mounted on a standard DIN rail. Each of its dimming channels is capable of loading up to 330W and is suitable to dim LED lamps, halogen bulbs, etc. DR-2DM1A is engineered to deliver stable performance and is protected from short-circuit, overload and over-temperature.

FEATURES

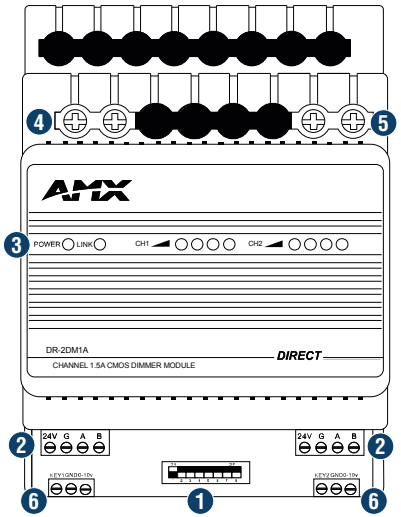
- Designed for standard 35mm DIN rail installation [Space Occupation: 4P (per P:18mm)].
- Feedback LED indicators for each channel.
- Two independent channels and each loads up to 330W.
- Each channel works under peak, valley and maximum limits and is capable to handle different load types.
- Initial status value of each channel can be customized after restarting the module.
- Two connectors provided for external control keypads.
- Each channel has its own label and is stored in the module.
- Over-temperature protection, short-circuit protection and overload protection.
- Trailing-edge sinewave dimmer based on Bi-CMOS technology.
- Online upgrading and programming.
- DR-Link communication interface.

SPECIFICATIONS

Load voltage	AC 220V±10%
Power supply	DC 24V 100 mA
Output channel	2 trailing-edge dimming channels
Control interface	2 × DR-Link
Channel load capacity	330W 1.5A
Protection	An extra circuit breaker is needed
Installation	Standard 35mm DIN rail
Operation temperature / RH	0˚C - 45˚C / 20% - 93% RH
Storage temperature / RH	-40˚C - +55˚C / 10% - 93% RH
Dimensions (L x W x H)	72 mm × 98 mm × 68 mm
Weight	280 g/pcs

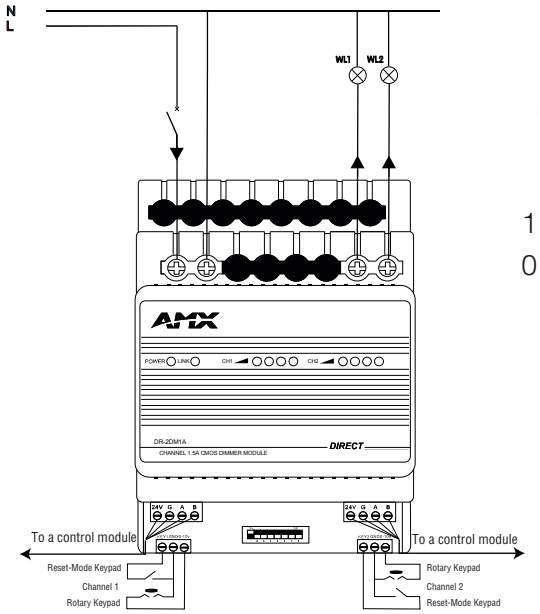


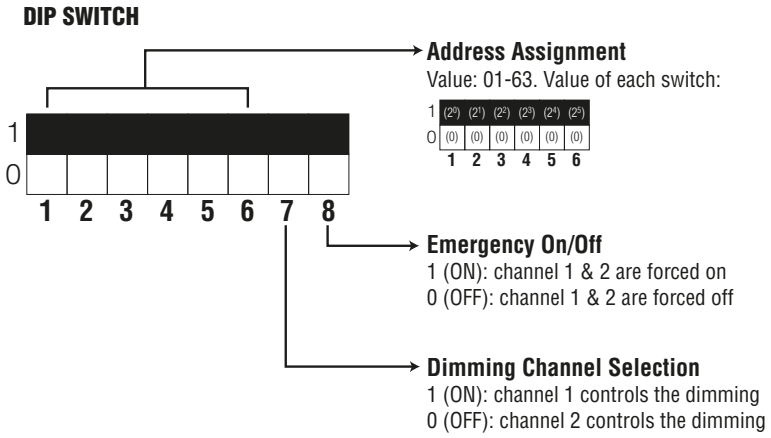
STRUCTURE



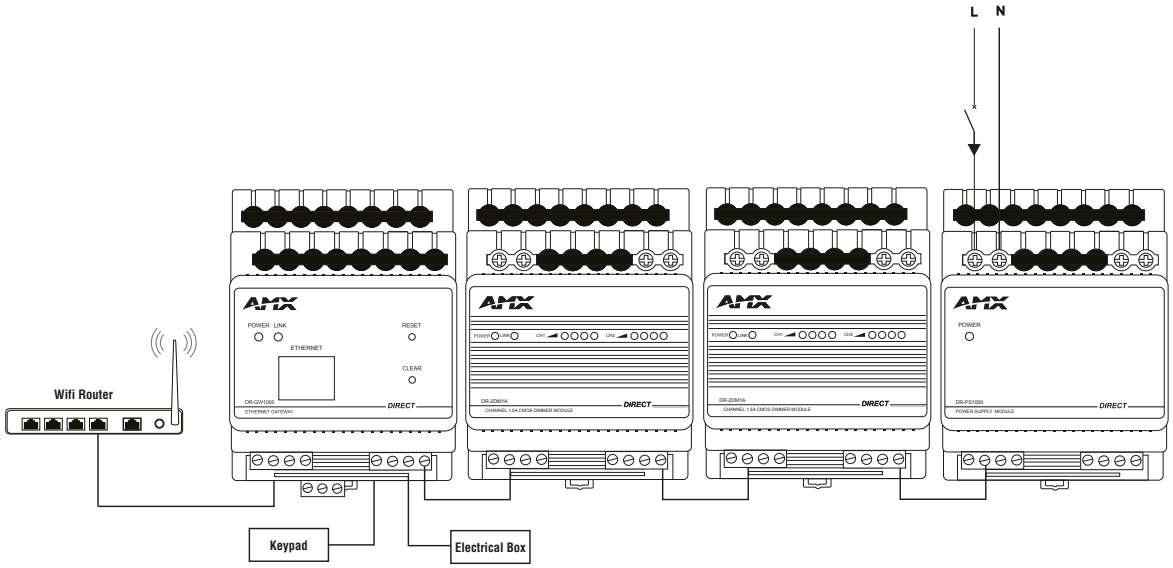
1. Dip Switch:
   - Switches 1-6: for address assignment (01-63). For more information, please go to “Wiring of Single Module”.
   - Switch 7: for dimming channel selection: 1 (ON): channel 1 controls the dimming; 0 (OFF): channel 2 controls the dimming.
   - Switch 8: for emergency on/off: 1 (ON): channel 1 & 2 are forced on; 0 (OFF): channel 1 & 2 are forced off.
2. DR-Link Interface: 24V, G, A, B.
3. LED Indicators:
   - POWER: indicates status of power supply.
   - NET: indicates network status. When solid on, the control network is correctly connected; When blinking, a fault appears to the network connection.
   - CH1 & CH2: indicates brightness (25%, 50%, 75%, 100%) of each channel.
4. Power Output Terminal: connects Live and Neutral wires (ϕ 4).
5. Load Output Terminal: connects load Live input and light control output wires (ϕ 4).
6. Keypad Connection Terminal x 2:
   - KEY & GND: connects switch-mode keypad.
   - 0-10V & GND: connects rotary keypad.

WIRING OF SINGLE MODULE





WIRING OF MUTIPLE MODULES



READE 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.

CONTACT

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