DIRECT SERIES LIGHTING CONTROL MODULE



DR-8SW16A

8-CHANNEL 16A RELAY SWITCH MODULE

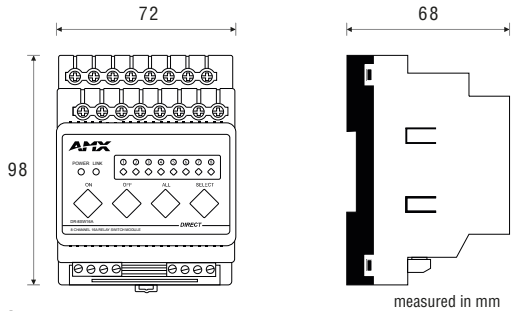
DR-8SW16A Relay Switch is designed for DIN-rail installation and provides 8 channels of relay switching signal, each channel having independent control of the 3520W device connected. Built-in emergency switch for quick preparation prior to commissioning. LEDs indicate status of each channel switch. Configurable interlock groups for control of four sets of shades.

FEATURES

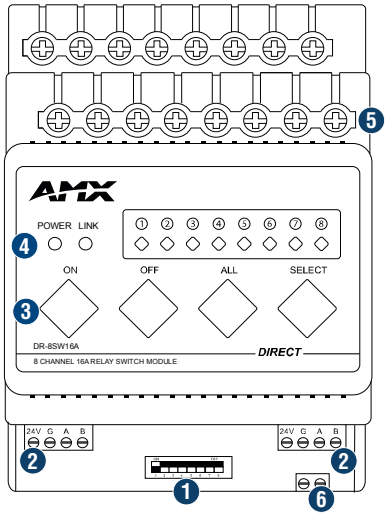
- Designed for standard 35mm DIN rail installation [Space Occupation: 4P (per P:18mm)].
- 8 channels use Tyco dual contact relay for switching on or off its 16A circuit.
- Each channel has independent switch control of the 3520W device connected.
- Configurable initial value of each channel.
- Sequential start of each channel to avoid power grid turbulence due to simultaneous startup.
- Two interlock logic groups for control of four shade sets.
- Three interlock logic groups for control of two A/C's speed settings (low, medium and high fan speed).
- Immediate report to control centre the status of each channel switch in case a scene command is executed.
- Local or remote programming and commissioning.
- Built-in emergency switch for quick preparation prior to commissioning.
- LEDs indicate status of each channel switch.
- Online upgrading.
- Communication through DR-Link interface.

SPECIFICATIONS

Power supply	DC 24V 90mA
Controlled circuit	8 x relay switches or 4 x shade sets
Surge current	AC 250V 170A
Current in each channel	16 A
Machanical lifetime	10,000,000 times
Electrical lifetime	100,000 times
Control interface	2 × DR-Link
Maximum power consumption	8 W
Static power consumption	0.5 W
Dimensions (L x W x H)	72 mm × 98 mm × 68 mm
Weight	315 g/pcs

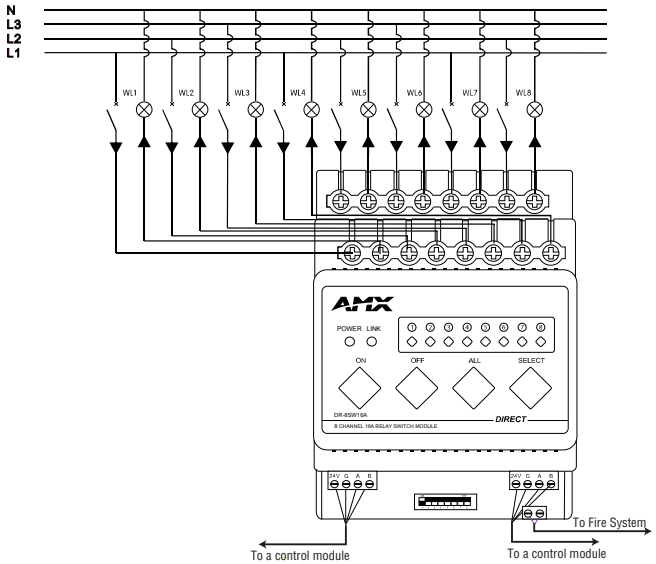


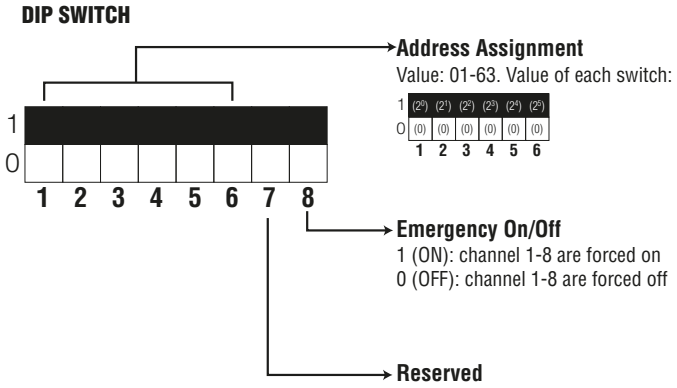
STRUCTURE



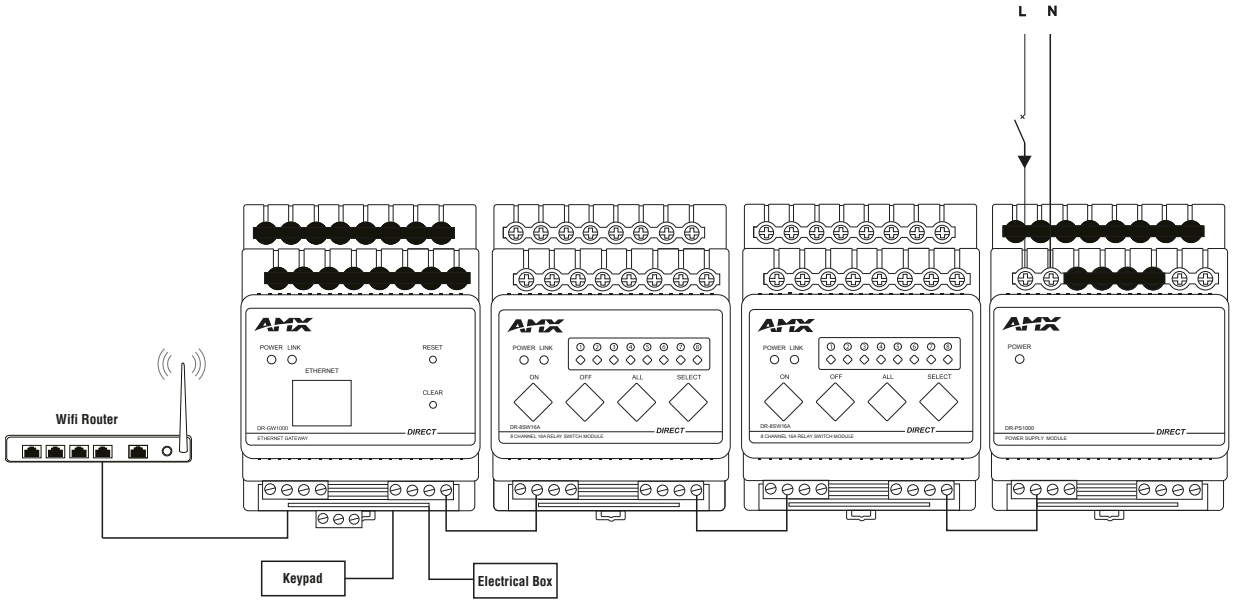
1. Dip Switch:
   - Switches 1-6: for address assignment (01-63). For more information, please go to “Wiring of Single Module”.
   - Switch 8: for emergency on/off: 1 (ON): channel 1-8 are forced on; 0 (OFF): channel 1-8 are forced off.
2. DR-Link Interface: 24V, G, A, B.
3. Control Buttons:
   - ON: press to switch on the relays.
   - OFF: press to switch off 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.
4. 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.
5. Relay Output Terminal: one in and one out. Accepts ϕ4 wires.
6. 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





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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DR-8SW16A
062017