

SwitchGate DIN

DMX relay switch

Version: 2.01
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Din rail mounted DMX switch relay switch designed to switch 8 power circuits by DMX commands. Provides diagnostic feedback from 16 AC inputs via RDM.

Smart affordable solution to integrate relay-driven assets into DMX environment.



Supports RDM



UltraStart



Galvanically
Isolated Ports



Natural Heat
Convection



Permanent
Laser Engraving

Application

Relay switching by DMX with RDM feedback
Control fountain nozzles

Advantages

8 independent relay outputs

Powerful (5A), designed to switch large quantity of relays

16 independent inputs to receive feedback through RDM

Maximum surge protection – power supply optimized for voltage from 100 to 315 V

Battery power supply available. Optional 9-30V batteries support

Full galvanic isolation of all ports

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Technical Specifications

Mechanical

- Housing: DIN mounted case (12 modules)
- Material: Metal, Plastic
- Dimensions, mm: 210(D) x 105(H) x 75(W)
- Mass: 0.6 kg
- Mounting: Power cabinet

Power & Electrical

- Power supply: ~90-270 VAC, 50/60 Hz
- Max voltage and current on outputs: 250 V, 5 A
- Max voltage at inputs: 250 V
- Input Power (max): 5 W
- Mains Fuse: 0.5 A

Environmental

- Operating Temperature: -40...+70°C
- Storage Temperature: -50...+80°C
- Operating Relative Humidity (max): 95%
- IP Rating: IP 20
- Certification: CE, RoHS
- Warranty: 36 Month (Return to base)

Control / Data Connections

- Control interface: DMX512
- Supported protocols: DMX512, RDM
- DMX data refresh rate: 44 Hz

Inputs / Outputs

- DMX connectors: Terminal blocks 15EDGVC
- Relay outputs: 8 (6 on/off, 2 changeover)
- Voltage control inputs: 0 or 16

Configuration / Indication

- Setup: DIP switchers, RDM
- Indication: LEDs for DMX activity

Package Contents

- SwitchGate DIN
- Connectors kit
- User guide

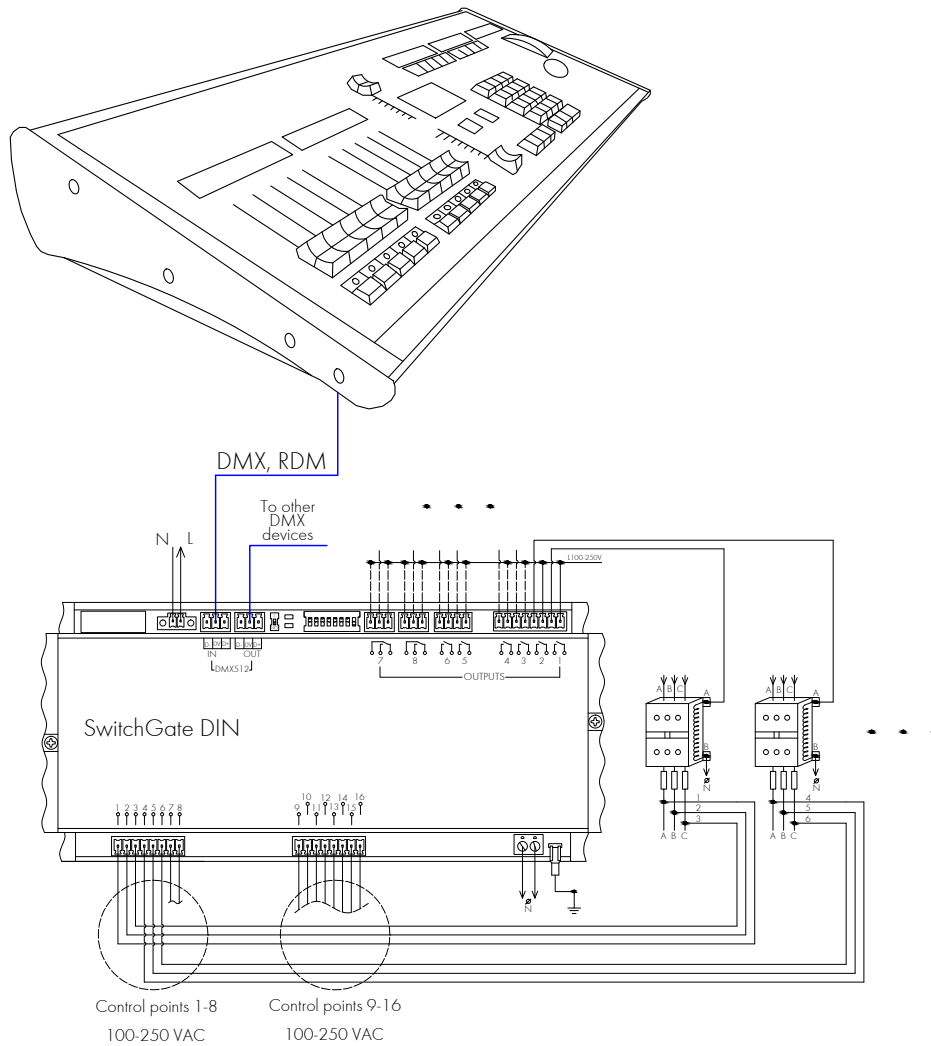
Product Line

Name	Modification	Product code
SwitchGate DIN	8 relays, 1 DMX input/output	SGD-1-8RD
	8 relays, 16 control points, 1 DMX input/output	SGD-1-8R16CD

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Connection Scheme



Accessories

Name	Product code
DIN rail mounting kit	MCA-1-DIN
Waterproof box (IP65)	MCA-1-IP65

Disclaimer

To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. No liability accepted for errors or omissions. Always make sure to use the most recent release and contact Sundrax Electronics to verify correctness before placing your order.