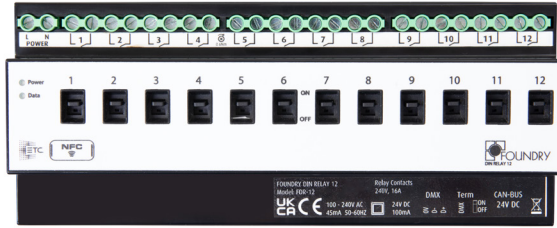


Type(s)

Project

Date

Notes



GENERAL INFORMATION

The Foundry DIN Relay 12 is an all-in-one, cost-effective, relay-only DIN-rail power switching solution designed for work lights, house lights, lobby lighting, architectural loads, and LED-only lighting systems.

The unit provides 12 independent 16 amp switching channels in a compact DIN-rail form factor. Configuration via NFC enables setting changes without applied power. Local mechanical override switches allow manual control of each output during commissioning and service.

Designed around standard DIN-rail switchgear architecture, the Foundry DIN Relay 12 can be installed in off-the-shelf DIN enclosures or integrated into custom DIN-rail cabinets to meet the project requirements.

APPLICATIONS

Custom DIN rail panels in:

- Theatres
- Convention centers
- Architectural lighting
- Arenas
- TV studios
- Cruise ships
- LED stage lighting
- Auditorium lighting
- Lobby lighting

FEATURES

- 12 channels of power switching
- Manual mechanical relay override
- 16 A capacitive load per channel
- RDM configuration via DMX512-A
- NFC configuration via ETC Set Light app (see etconnect.com/FixtureApps)

ORDERING INFORMATION

Foundry DIN Relay 12

Model	Part Number	Description
FDR-12	7122A1021	12ch Foundry DIN Relay 12, DMX/RDM

SPECIFICATIONS

CONTROL

- DMX controlled relay outputs
- Channel addressing via RDM or NFC (Set Light app)
- Configurable DMX loss behavior and timing
- DMX loss preset

USER INTERFACE

- 2x LEDs (Power, Data)
- 12x Mechanical relay override switches (retains override state until new DMX state is received)
- Configuration by RDM or NFC via Set Light app

ELECTRICAL

- Mains power input: 100–230 V AC, 50/60 Hz, 0.2 W standby
 - 0.5–4.0 mm² (stranded wire) or 0.5–6.0 mm² (solid wire)
- 12x Relays, latching, single pole
- 16 A maximum load per relay
- Relay electrical operational ratings
 - 50 A resistive 100,000 operations
 - 20 A incandescent lamp 30,000 operations
 - 16 A electronic ballasts 6,000 operations
 - 16 A electric motor 3,000 operations
 - 0.5–4.0 mm² (stranded wire) or 0.5–6.0 mm² (solid wire)
- DMX / RDM input

ENVIRONMENTAL

- Ambient temperature: 0°C–40°C
- Relative humidity: 20–85% non-condensing

REGULATORY AND COMPLIANCE

- CE
- Low voltage: EN61439-1, EN671439, EN62368
- EMC: EN55015, EN61000-6-1, EN61000-3-2

WARRANTY

- 5 years



PHYSICAL

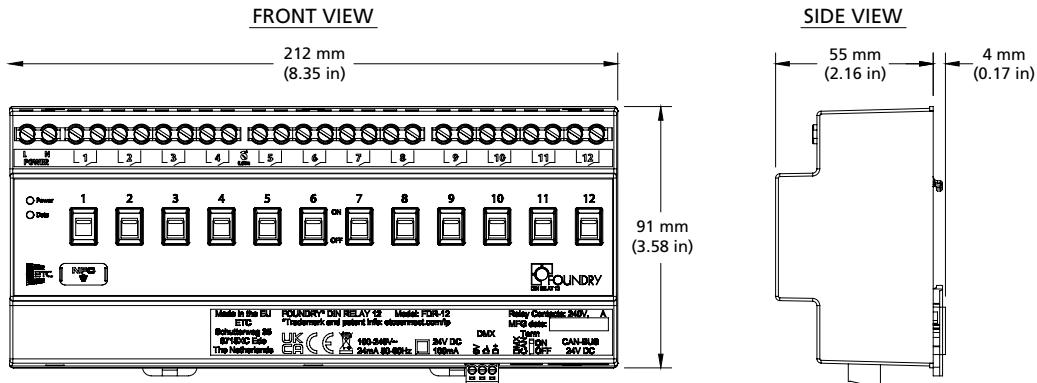
Dimensions

Model	Height		Width		Depth	
	mm	in	mm	in	mm	in
FDR-12	90	3.5	212	8.3	60	2.4

Weights

Model	Weight		Shipping Weight	
	kg	lb	kg	lb
FDR-12	0.68	1.5	1	2.2

FOUNDRY DIN RELAY 12



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