

DMRC820FR-NA

Relay Controller

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The DMRC820FR-NA is designed to control various types of switched loads. The power circuit is of a 'feed through' design, with each channel being separately controllable via the DyNet network. The DMRC820FR-NA relay controller is designed for installation into a NEMA1 approved enclosure or switchboard near the circuit breakers; it is also DIN rail mountable. Each channel is fitted with a hardware override switch, which is accessible from the front panel. Eight 'dry contact' Class 2 inputs are provided for remote switches. A UL924 compliant load controller for the control of emergency lighting circuits is also available.

Technical data



Control circuit supply

120V-277VAC (+10%/-15%)
50/60Hz
Single Phase and Neutral
Input power: Max 20W, Avg
16.5W
Input current: 120VAC max.
0.24A
277VAC max.
0.09A

Outputs

8 x switched feed thru outputs
CH LN-IN to CH-LD-OUT:
max 277VAC
CH to CH: max 480VAC

Relays

Latching type, lighting, motor
and resistive rated.

Control inputs

1 x RS485 DyNet
8 x dry contact inputs (10VDC,
0.7mA)

User controls

Service Switch
Diagnostic LED
Manual override switch for
each channel

DyNet DC supply

500mA @24VDC

Preset scenes

170 per Area

Supply terminals

Line, Neutral, Ground
8-24 AWG Cu wire

Switched channel output terminals

8 x Channel In/Channel Out
8-24 AWG Cu wire

Compliance

UL/cUL Recognized, ICES,
FCC, RoHS Compliant

Operating environment

32° to 104°F (0° to 40°C)
ambient temp
0% to 90% RH non condensing

Construction

Lexan 920, UL94-VO

Dimensions

H 5.6" x W 9.4" x D 2.0"

Weight

Packed weight 2.2 lb

Load compatibility

Load Type	Max Load
Resistive Load	20A, 277VAC
Tungsten Lamp	20A, 277VAC
Magnetic Ballast	20A, 120VAC
Magnetic Ballast	20A, 277VAC
Electronic Ballast	16A, 120VAC
Electronic Ballast	16A, 277VAC
Horsepower	1HP, 120V
Horsepower	2HP, 277V

Job Information Type:

Job Name:

Cat. No.:

Notes:

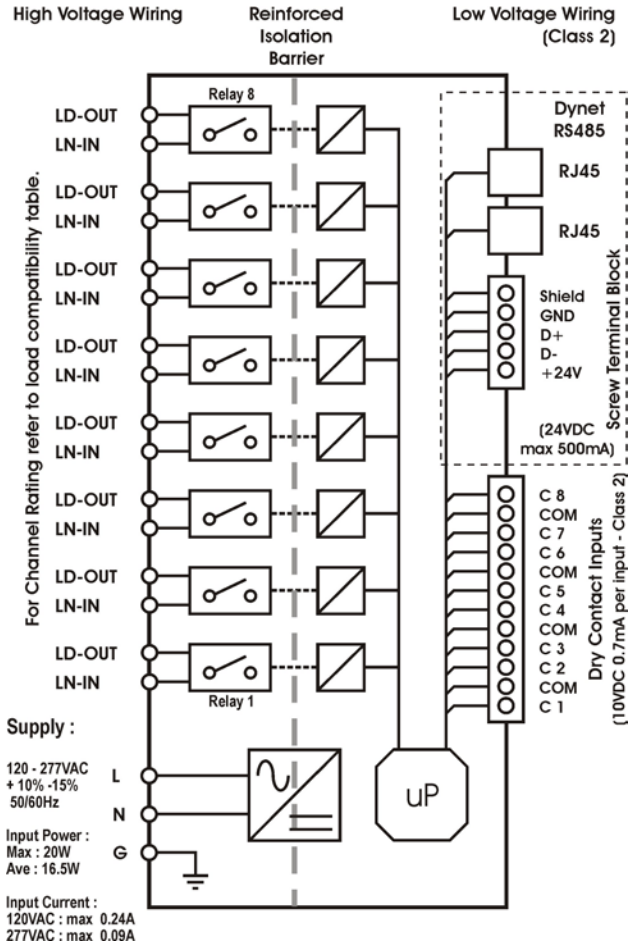
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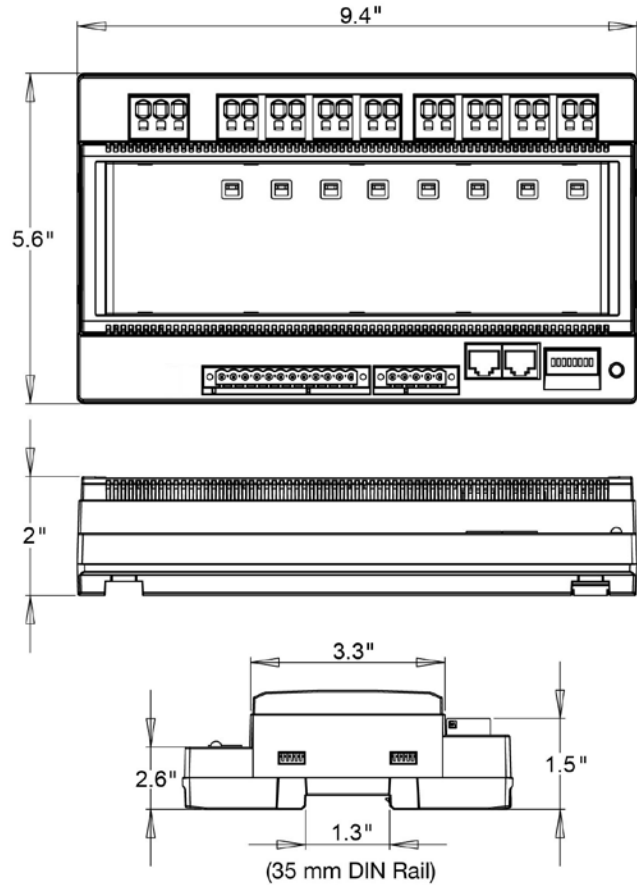
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Electrical diagram



Mounting dimensions



Ordering information

Type	Description	Quantity
DMRC820FR-NA	Relay Controller	1
DMRC820FR-EMG-NA	UL924 compliant Emergency Lighting Relay Controller	1



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DMRC820FR-NA January 11, 2011

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Job Information Type: