

DMRC210

Two-Channel Relay Controller



Specification Sheet

Controllers > Relay Controllers



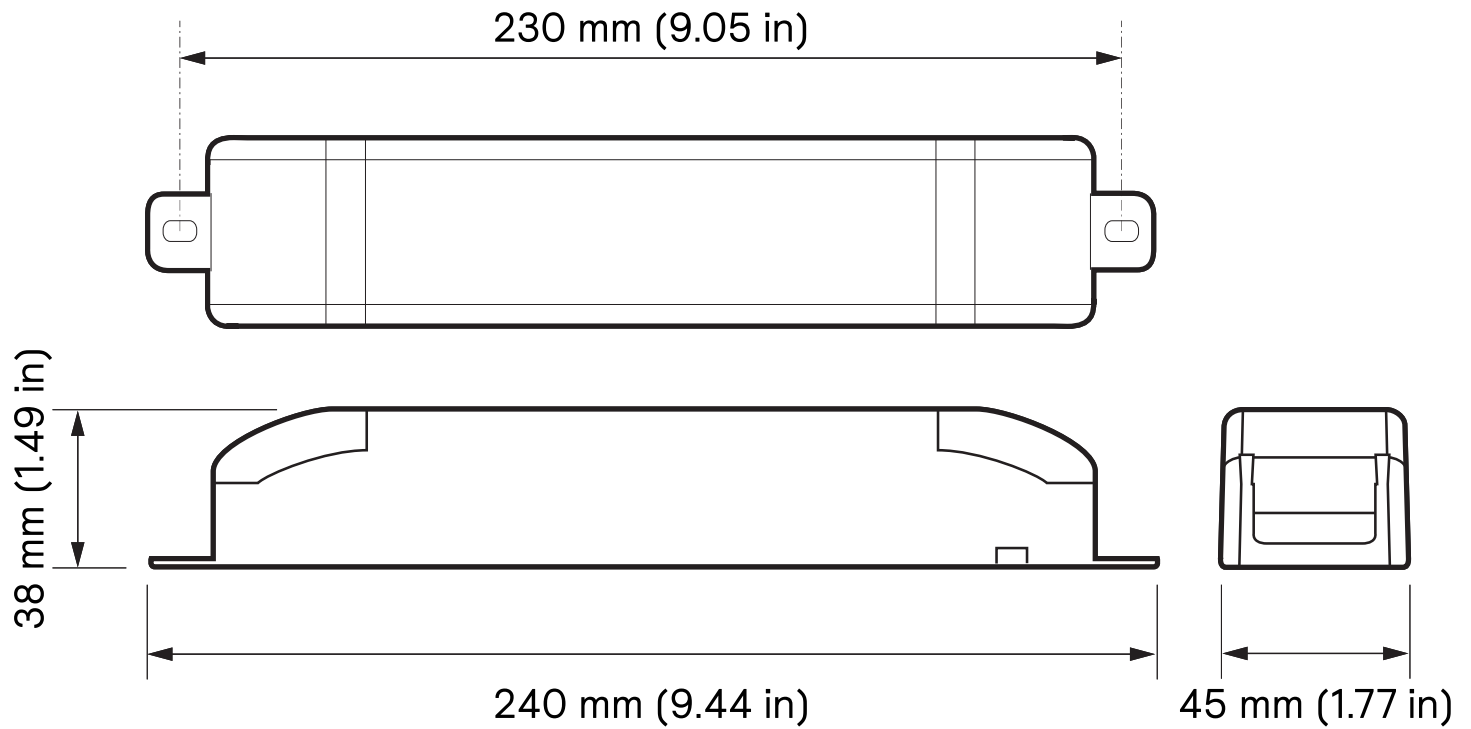
Luminaire-mounted control of switched loads

The Dynalite DMRC210 provides intelligent, networked, two-channel control of individual luminaires. The compact design fits inside the gear enclosure of many lighting fixtures.

Key Features

- **Two relay outputs** - Used to control mains supply to the fixture.
- **Gear enclosure mounting** - Compact design enables mounting directly within the gear enclosure of many light fixtures.
- **Fully rated device** - Robust relay provides reliable control of difficult lighting loads.
- **Inbuilt diagnostic functionality** - Device Online/Offline status indication.

Dimensions



Specifications

Electrical	
Supply Type	Single-phase
Supply Voltage	100-240 VAC
Supply Current	20 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	150 mA (supports approx. 7 user interfaces)
Relay Outputs	2 x switched

Control	
Communication Ports	1 x RS-485
Supported Protocols	DyNet DMX Rx
DMX Rx Channels	2
Diagnostic Functions	Device online/offline status

Physical	
Dimensions	38 x 240 x 45 mm (1.49 x 9.05 x 1.77 in)
Packed Weight	0.19 kg (0.42 lb)
Construction	Double-insulated ABS plastic
Serial Ports	5 x screw terminal
Serial Port Conductor Size	0.3-2.5 mm² (#22-12 AWG)
Load Terminals	3 x screw terminal
Load Terminal Conductor Size	≤5 mm² (#10+ AWG)
Supply Terminals	2 x screw terminal
Supply Terminal Conductor Size	≤5 mm² (#10+ AWG)

Environment	
Operating Temperature	0° to 50°C ambient (32° to 122°F)
Storage Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	≤90% non-condensing
IEC Pollution Degree	II
Installation Note	For indoor installation only

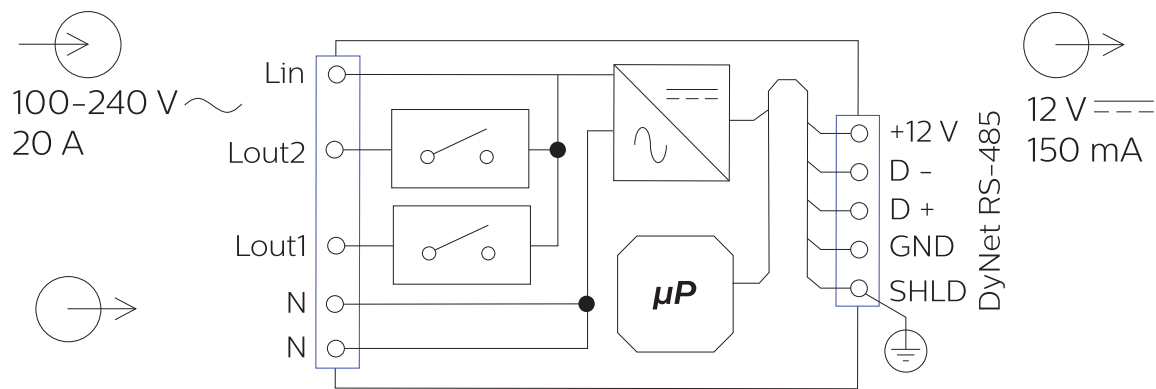
Compliance	
Certifications	CE, RCM, UKCA, RoHS



Output Channel Ratings

Load Type	CH1, CH2
General Use	10 A, 240 VAC
Incandescent	5 A, 240 VAC
Electronic Driver	3 A, 240 VAC
Inrush Current	165 A
Total Device Load	
≤ 20 A	

Electrical Drawing



Ordering Codes

Product	12NC
DMRC210	913703050009

Policies and Notices

Specific Data Notice

This Specific Data Notice applies to the Controllers as specified in this product specification sheet (the "**Controller**") that is part of or works with a Professional System offered by Signify for use in the European Union and supplements and/or corrects the Generic Data Notice For Professional Systems and Services that can be found at

<https://www.signify.com/global/resources/policies-announcements> (the "**Generic Data Notice**") by providing additional and/or more specific details specific to this Controller.

Terms starting with a capital in this Specific Data Notice will have the meaning as attributed thereto in the Generic Data Notice, unless explicitly defined otherwise in this document.

When used in a Signify professional lighting system in combination with a Dynalite Gateway with either the Dynalite Switch App, Dynalite System Builder, Dynalite System Manager, or Dynalite Cloud, the Controller can generate the Data as specified below:

- Operational Data: Lighting control commands based on the configured control logic in the product via the DyNet network
- Sensor Data: This product does not generate any sensor data.

The type and volume and format of Data that is generated depends on the actual devices connected to the Controller, the product and/or software configuration. For further details on data generation capabilities of such devices, please check the product specification sheets of such devices.

The Data generated in this combination is communicated via the network to the gateway and is stored on the gateway. If configured to do so, the gateway can forward the Data to Dynalite Cloud or to Dynalite System Manager. For applicable retention period and means of access to Data that is Readily Available Data, please refer to the Dynalite Cloud software specification sheet. Data cannot be accessed directly from the Controller. Data can be accessed from the Gateway using Dynalite System Builder or directly from any of the APIs of the Gateway. The Gateway will persist the Data for 28 days on a rolling basis.

This Specific Data Notice may be changed by Signify from time to time. The current version of this notice will apply and can be obtained at request via the point of contact as indicated in paragraph 7 of the Generic Data Notice.