

DDMC802

Multipurpose Modular Controller



Specification Sheet

Controllers > Multipurpose Controllers



Control different load types with one device

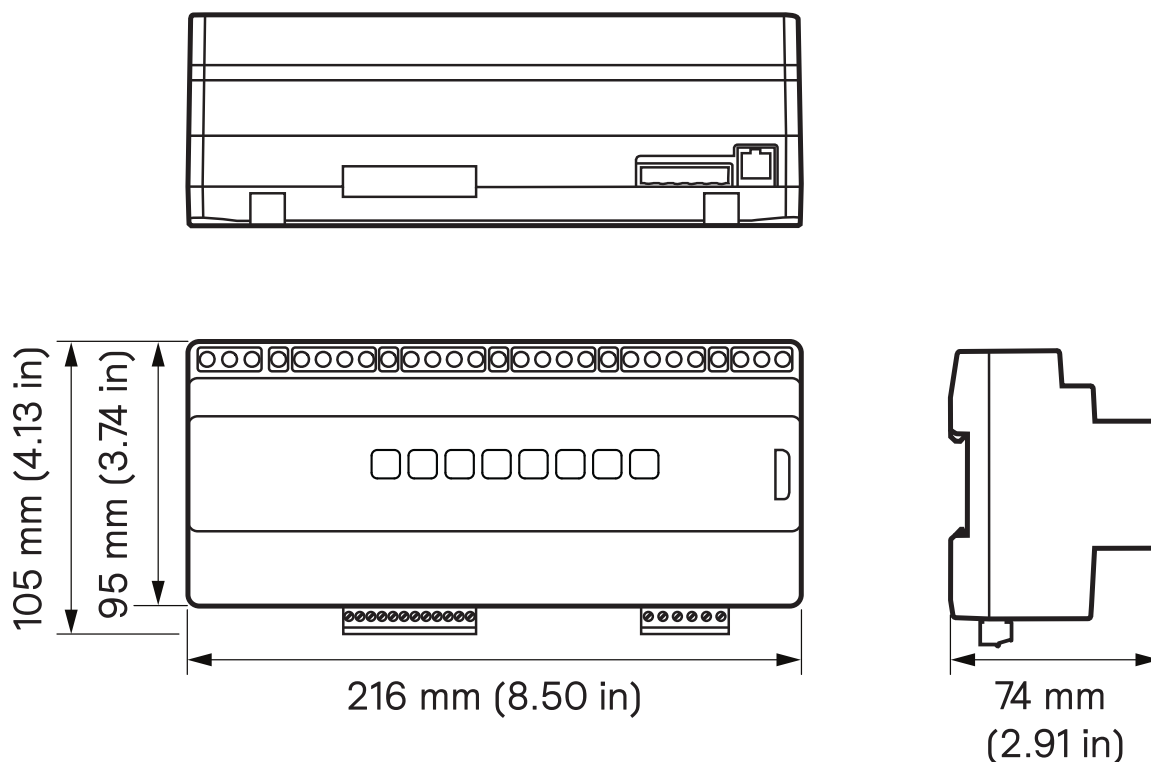
The Dynalite DDMC802 provides up to eight configurable output channels, controlled by up to four interchangeable control modules.

A selection of control modules is available for a variety of load types.

Key Features

- **Single controller solution** – Control a multitude of load types from one device, suited to any segment requiring lighting or relay control.
- **Four module bays** – Accommodates any combination of up to four single modules or two double-size modules.
- **Leading edge phase control dimmer module** – Suitable for use with incandescent lamps and some types of dimmable electronic transformers.
- **Trailing edge phase control dimmer module** – Suitable for use with most types of dimmable electronic transformers.
- **Signal dimmer control module** – Suitable for DALI Broadcast, 1-10 V, and DSI control of digital drivers and transformers.
- **Relay control module** – Suitable for controlling most types of switched loads.
- **Fan control module** – 400 VA 3-speed fan control
- **Curtain control module** – Provides control of curtains, blinds, and other motorised window treatments.
- **Flexible mounting** – DIN rail mounting clips designed for installation into the distribution board supplying power to the controlled lighting circuits.

Dimensions



Specifications

Electrical	
Supply Type	Single-phase
Supply Voltage	100-240 VAC
Supply Current	16 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	200 mA (Supply for approx. 10 UIs)
Outputs	8 (4 x 2-channel module bays)
Power Conditioning	Regulated outputs Overvoltage protection Surge protection Brownout / Sag protection Spike protection Soft start 16-bit fade resolution (65,536 steps)
IEC Overvoltage Category	III

Control	
Communication Ports	1 x RS-485
Supported Protocols	DyNet DMX Rx
Dry Contact Inputs	9 (8 + AUX)
User Controls	1 x service switch 8 x manual override switches
Indicators	1 x service LED 8 x channel status LED
Diagnostic Functions	Device online/offline status Circuit runtime tracking

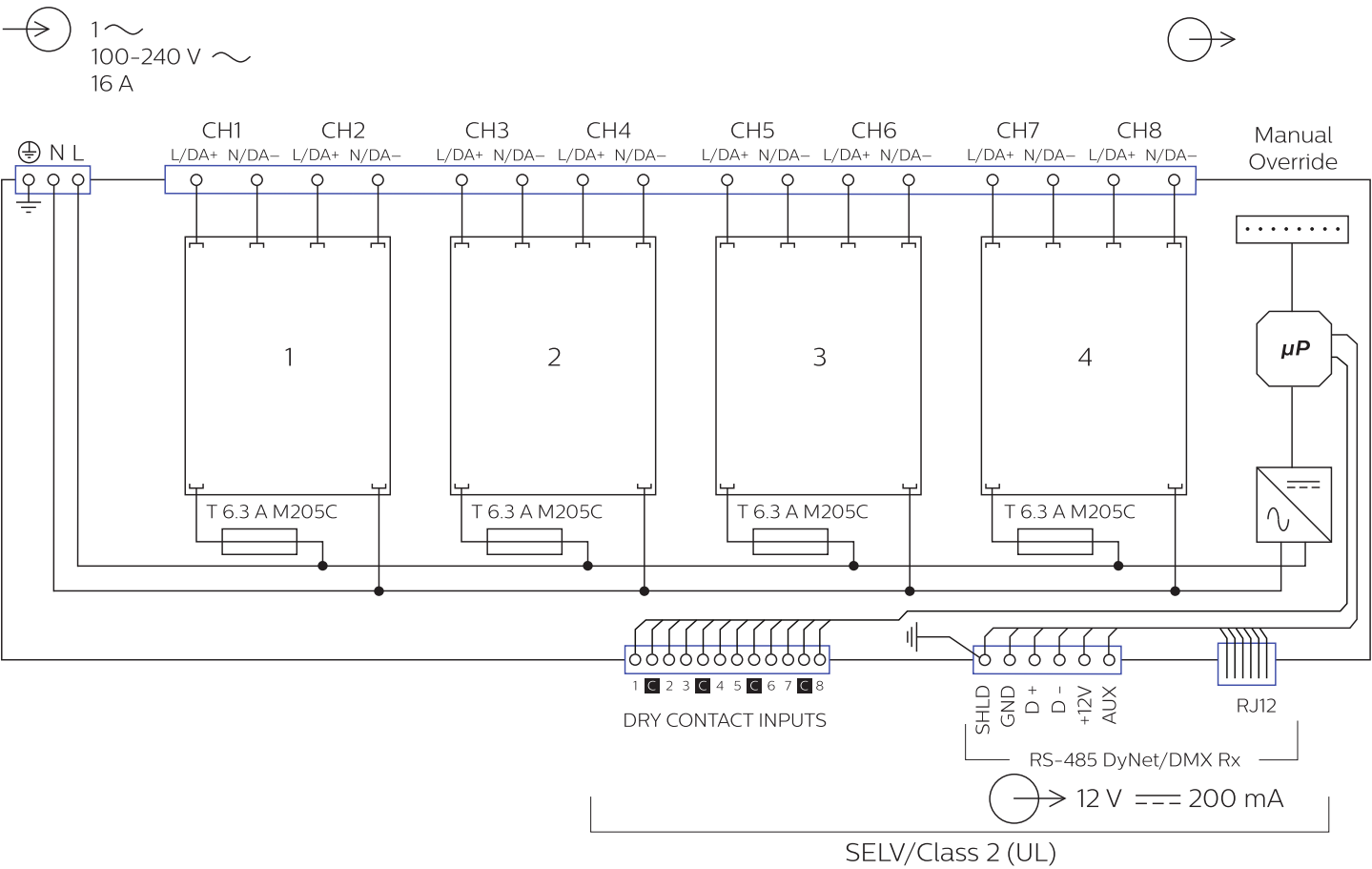
Physical	
Dimensions	105 x 216 x 74 mm (4.13 x 8.50 x 2.91 in)
Packed Weight	0.52 kg (1.14 lb)
Construction	Polycarbonate DIN rail enclosure (12 unit)
Serial Ports	1 x RJ12 1 x 6-way pluggable screw terminal
Serial Port Conductor Size	0.3-2.5 mm² (#22-12 AWG)
Load Terminals	16 x screw terminal
Load Terminal Conductor Size	≤5 mm² (#10+ AWG)
Dry Contact Terminals	1 x 12-way pluggable screw terminal
Dry Contact Terminal Conductor Size	1.3 mm² (#16 AWG) (max)
Supply Terminals	3 x screw terminal
Supply Terminal Conductor Size	≤5 mm² (#10+ AWG)

Environment	
Operating Temperature	0° to 40°C ambient (32° to 104°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, UL/cUL, FCC, ISED, UKCA, RoHS



Electrical Drawing



Ordering Codes

Product	12NC
DDMC802	913703243509

Modules

Module		12NC
DGCM102	Curtain control module	913703024409
DGFM102	Fan control module	913703026709
DGRM204	Relay control module	913703261109
DGBM200	Signal dimmer module	913703261209
DGLM105	5A Leading edge dimmer (double)	913703260809
DGLM202	2-ch Leading edge dimmer	913703260909
DGLM402	4-ch Leading edge dimmer (double)	913703261009
DGTM104	4A Trailing edge dimmer	913703260609
DGTM202	2-ch Trailing edge dimmer	913703260709
DGTM402	4-ch Trailing edge dimmer (double)	913703024309

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.