

DDMC802

Multipurpose Modular Controller



Specification Sheet

Controllers > Multipurpose Controllers



Control different load types with one device

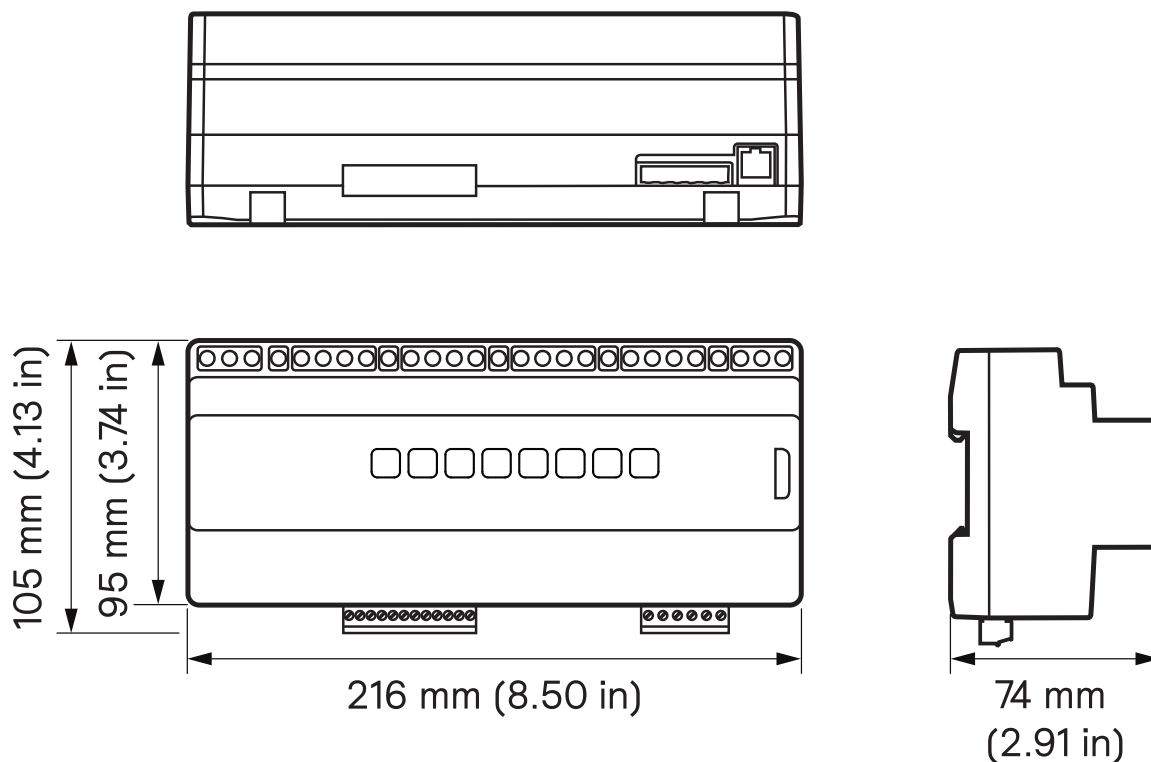
The Dynalite DDMC802 provides up to eight configurable output channels, controlled by up to four interchangeable control modules.

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.
- **UL 924 input** – Integrates seamlessly with compatible emergency systems.

Dimensions

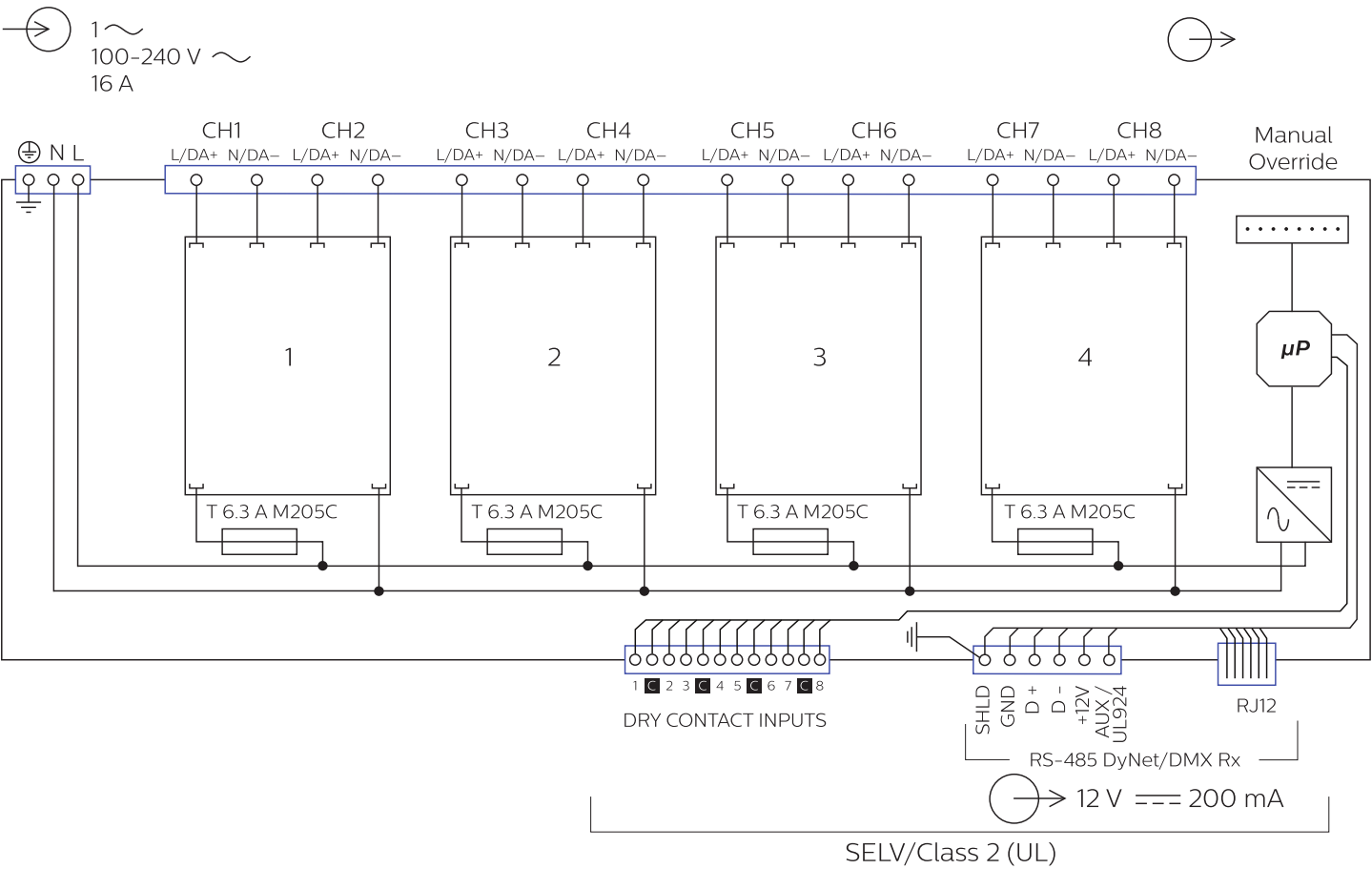


Specifications

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
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)
Control	
Communication Ports	1 x RS-485
Supported Protocols	DyNet DMX Rx
Dry Contact Inputs	9 (8 + AUX/UL 924)
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
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