

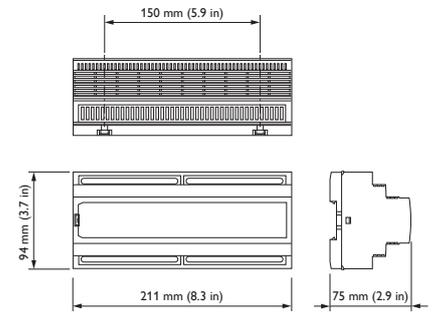


## DDMC802 Multipurpose Modular Controller

Control different load types with one device

The Philips Dynalite DDMC802 provides eight channels of control, with a maximum load per channel of 2A. The device is available with a variety of output modules to provide control of differing load types. The DDMC802 can be fully loaded to 16A.

- Single controller solution specifically suited to residential and hotel applications — Control a multitude of load types from one device.
- Trailing edge phase control dimmer module — Suitable for use with most types of dimmable electronic transformers.
- Leading edge phase control dimmer module — Suitable for use with incandescent lamps and some types of dimmable electronic transformers.
- HF driver control module — Suitable for controlling 0-10V and digital drivers and transformers. An additional relay control module is required to be paired when controlling 0-10V drivers.
- Relay control module — Suitable for controlling most types of switched loads.
- Fan control module — 400 VA fan control module.
- Curtain control module — Provides control of curtains, blinds and other window treatments.
- Flexible mounting solution — A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.



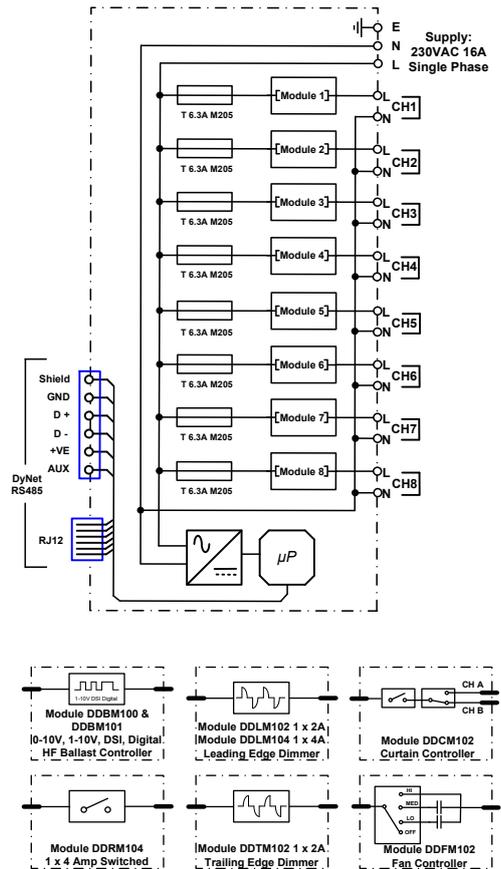
For detailed product information, please refer to the product information pages at [www.philips.com/dynalite](http://www.philips.com/dynalite) and follow the links.

## Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
Electrical	Input Voltage	230 V ±14% 50 / 60 Hz Single Phase @ 16 A
	DyNet DC Supply	12 V @ 120 mA (supply for approx 6 user interfaces)
Electrical	Outputs	<p>8 x output slots @ 2 A each. Maximum device load 16 A. A derating factor may need to be applied if installed in a smaller sealed switchboard when using Leading or Trailing Edge dimmer modules. See Instruction Manual for details. Some modules occupy 2 slots. Available modules include:</p> <p><b>DDBM100:</b> 1 channel; 1-10 V or digital HF driver control. Occupies 1 slot</p> <p><b>DDBM101:</b> 1 channel; 1-10 V or digital HF driver control. For fittings that require full isolation from mains. Occupies 1 slot</p> <p><b>DDCM102:</b> 1 channel 2 A SPDT curtain control. Occupies 2 slots</p> <p><b>DDFM102:</b> 1 channel 400 VA fan control. Occupies 2 slots</p> <p><b>DDLMI02:</b> 1 channel 2 A Leading Edge dimmer. Regulating device: Triac 20 A, 600 V. Occupies 1 slot</p> <p><b>DDLMI04:</b> 1 channel 4 A Leading Edge dimmer. Regulating device: Triac 20 A, 600 V. Occupies 2 slots</p> <p><b>DDRM104:</b> 1 channel 4 A relay. Switching device: Relay, 16 A / 250 V. Occupies 2 slots</p> <p><b>DDTM102:</b> 1 channel 2 A Trailing Edge dimmer. Regulating device: Dual MOSFETs 22 A, 500 V, 88 A surge. Occupies 1 slot</p>
	Power Conditioning	<p>Regulated outputs</p> <p>Over voltage protection</p> <p>Surge protection</p> <p>Brownout / Sag protection</p> <p>Spike protection</p> <p>Soft start</p> <p>16 bit fade resolution (65,536 steps)</p>
Control	Control Inputs/Outputs	<p>One DMX512 / RS-485 DyNet serial port</p> <p>One programmable dry contact AUX input</p>
	User Controls	<p>Service switch</p> <p>Diagnostic LED</p>
	Preset Scenes	170
	Diagnostic Functions	<p>Circuit run time tracking on each channel</p> <p>Device online/offline status</p>
	Front Panel Controls (Optional -MO version only)	<p>Channel override switches</p> <p>Channel status indicators</p> <p>Service switch</p> <p>Service LED</p>
Physical	Supply Terminals	2 x 2.5mm <sup>2</sup> or 1 x 4 mm <sup>2</sup> conductor size Line, Neutral, Earth
	Output Terminals	Line, Neutral for each channel 2 x 2.5mm <sup>2</sup> or 1 x 4 mm <sup>2</sup> conductor size
	Dimensions (H x W x D)	94 mm x 211 mm x 75 mm (3.7" x 8.3" 2.9")
	Packed Weight	0.94 kg
	Construction	Polycarbonate DIN-rail enclosure (12 unit)
	Operating Conditions	<p>Temperature: -0 to 40° C ambient</p> <p>Humidity: 0 to 95% non-condensing</p>
	Storage & Transport	<p>Temperature: -25 to 70° C ambient</p> <p>Humidity: 0 to 90% non-condensing</p>
Certification	Certification	CE, C-Tick
Options & Ordering	Standard Product	DDMC802 (Philips 12NC - 913703024009)
	Manual Override	DDMC802-MO (Philips 12NC - 913703024109)

## Electrical Diagram



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