# DMC810GL Multipurpose Controller
Combining leading edge and signal dimming control

The DMC810GL is an eight channel device that provides a combination of control technologies. The ability to control mixed load types from one device provides savings in initial capital costs, installation costs and a reduction in ongoing maintenance.

- Four channels for control of dimmable loads — Leading edge phase control for use with incandescent, neon, leading edge electronic and iron core transformers.

- Four signal control outputs — Selectable to 1-10 VDC, DSI and DALI broadcast for control of HF drivers.

- Four switched outputs — Signal control outputs can operate in tandem with, or separately from, switched outputs.

- Interference supression — Iron powder core toroidal choke lessens effects of interference from other equipment, such as transformers.

- Naturally ventilated — Requires no forced cooling or maintenance.

- Diagnostic functionality — Device Online/ Offline status reporting.

- User controls — Incorporates service override switch - all channels to 100% and a diagnostic LED.

- Options available — Including an additional RS485 DyNet/DMX512 port or earth leakage and overload protection on each channel.
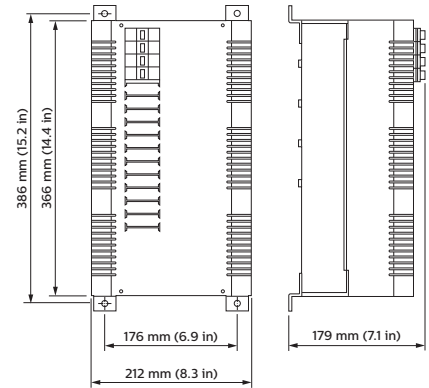
For detailed product information, please refer to the product information pages at www.philips.com/dynalite and follow the links.

PHILIPS

dynalite

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 @ 40 A
	DyNet DC Supply	12 V @ 200 mA (supply for approx 10 user interfaces)
	Outputs	4 x dimmed outputs leading edge phase control @ 10 A 4 x switched outputs @ 10 A 4 x HF ballast control outputs, selectable to 1-10 VDC, DSI and DALI Maximum device load is 40 A Total switched load is 40 A **or**; Total dimmed load is 40 A
	Overload Protection	4 x 10 A 6 kA single pole thermal magnetic circuit breakers
	Regulating Device	Triac - 40 A nom., 600 V, 400 A surge
	Switching Device	Relay 16 A nom., 165 A surge
	Interference Suppression	Iron powder toroidal choke
Control	Control Inputs/Outputs	One RS-485 DyNet / DMX512 serial port One programmable dry contact AUX input
	User Controls	Service override switch - all channels to 100% Diagnostic LED
	Preset Scenes	170
	Rise Time	100μS @ 230 V
	Internal Controls	Programmable Logic Controller
	Diagnostic Functions	Device online/offline status
Physical	Supply Terminals	Line, Neutral 2 x 10 mm² max conductor size
	Output Terminals	Line, Neutral for each channel (Channels 1-8) 2 x 4 mm² max conductor size Earth link bar provided 0V / DSI / DALI + V / DSI / DALI (Channels 9-12 1 x 2.5 mm² max conductor size
	Cable Entries	Mains - 8 x 25 mm dia. knockout Data - 1 x 25 mm dia. knockout
	Cooling System	Naturally ventilated, no forced cooling, no maintenance
	Dimensions (H x W x D)	366 mm x 212 mm x 179 mm (14.4" x 8.3" x 7.1")
	Packed Weight	7.5 kg
	Construction	Alloy / Steel wall mount case with epoxy finish
	Operating Conditions	Temperature: -0 to 40° C ambient Humdity: 0 to 95% non-condensing
	Storage & Transport	Temperature: -25 to 60° C ambient Humidity: 0 to 90% non-condensing
Certification	Certification	CE, C-Tick
Options & Ordering	Standard Product	DMC810GL (Philips 12NC - 913703028009)
	Extra DyNet / DMX512 Port	DMC810GL-A (Philips 12NC - 913703028709)
	Earth leakage and overload protection on each channel	DMC810GL-RCBO (Philips 12NC - 913703028509)
	Dual Port & RCBO	DMC810GL-A-RCBO (Philips 12NC - 913703028909)

Electrical Diagram
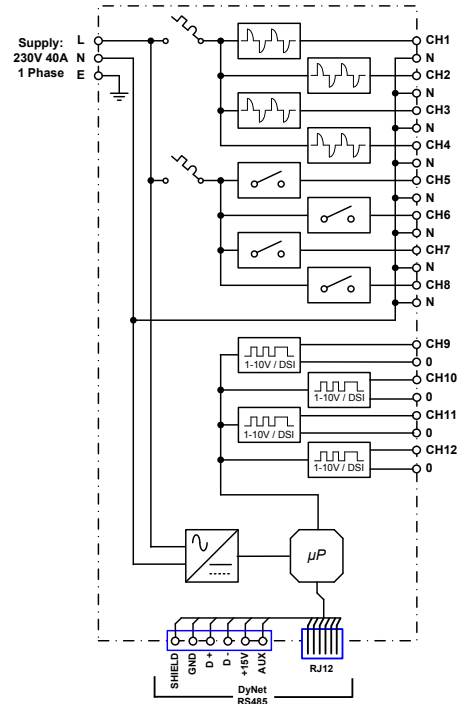
PHILIPS

Philips Dynalite
6 / 691 Gardeners Road
Mascot, NSW 2020
Australia
Tel: +61 2 8338 9899
Email: dynalite.info@philips.com
Web: www.philips.com/dynalite