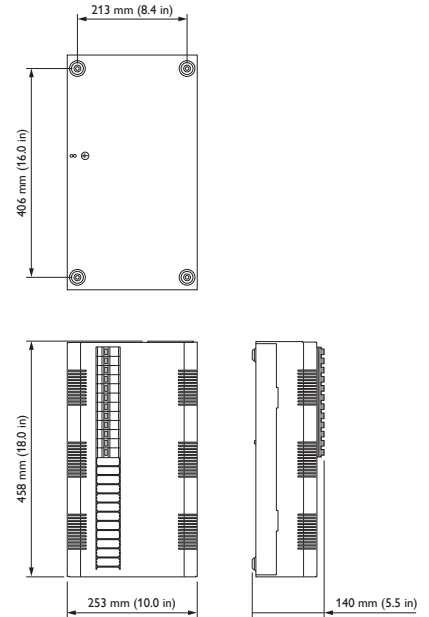# DRC1220GL Relay Controller
Heavy-duty switching of lighting and non-lighting loads

The Philips Dynalite DRC1220GL is a 12 channel relay controller, featuring a maximum of load of 20A per channel and a total device load of 180A. It is used for switching both lighting and non-lighting loads.

- Minimize peak demand current — In areas where it is beneficial to sequentially switch on large lighting loads, such as factories and indoor sporting arenas, the devices can be programmed to stagger the switching process.

- Service override switch — Incorporated as standard, forces all channels to 100%.

- Inbuilt diagnostic functionality — Features Device Online/Offline status indication.

- Internal controls — Philips Dynalite accessory module enabled for optional additional functionality. Includes programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing.

- Options available — Including an additional RS485 DyNet/DMX512 port or earth leakage and overload protection on each channel.
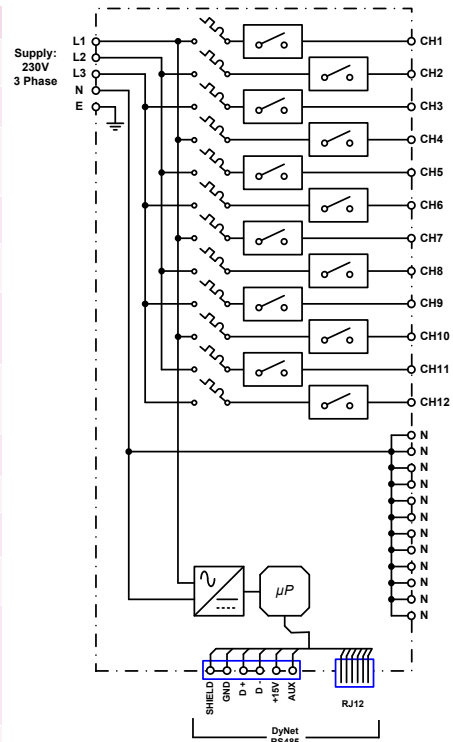
213 mm (8.4 in)

406 mm (16.0 in)

458 mm (18.0 in)

253 mm (10.0 in)

140 mm (5.5 in)

For detailed product information, please refer to the product information pages at www.philips.com/dynalite and follow the links.

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Specifications

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

Item	Specification	Details
Electrical	Input Voltage	230 VAC ± 14% 50 / 60 Hz 3 Phase 人 @ 63 A per phase
	DyNet DC Supply	12 V @ 200 mA (supply for approx 10 user interfaces)
	Outputs	12 x switched outputs @ 20 A Maximum device load is 180 A
	Protection	12 x 20 A 6 kA single pole thermal magnetic circuit breakers
	Switching Device	Relay 50 A, 230 VAC resistive (5000 W lighting load rated)
Control	Control Inputs/Outputs	One DMX512 / RS-485 DyNet serial port One programmable dry contact AUX input
	User Controls	Service override switch - all channels to 100% Diagnostic LED
	Internal Controls	Programmable Logic Controller
	Preset Scenes	170
	Diagnostic Functions	Device online/offline status
Physical	Supply Terminals	L1, L2, L3, 1 x 35 mm² maximum conductor size
	Output Terminals	Line for each channel 1 x 10 mm² maximum conductor size Neutral Link bar provided Earth Link bar provided
	Cable Entries	Mains - 4 x 25 mm dia. knockouts mounted on 100 mm x 50 mm removable gland plate Data: 1 x 25 mm dia. knockout Outputs: 6 x 25 mm
	Dimensions (H x W x D)	Std: 458 mm x 253 mm x 140 mm (18.0" x 10.0" x 5.5") -RCBO: 585 mm x 252 x 126 (23.0" x 9.9" x 5.0")
	Packed Weight	10.25 kg
	Construction	Alloy / Steel wall-mount case with epoxy finish
	Operating Conditions	Temperature: 0 to 50° 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	DRC1220GL (Philips 12NC 913703057909)
	Extra DyNet / DMX512 Port (-A)	DRC1220GL-A (Philips 12NC 913703058709)
	Earth leakage and overload protection on each channel (-RCBO)	DRC1220GL-RCBO (Philips 12NC 913703000609) Note: Necessitates larger enclosure

Electrical Diagram

CE ✓