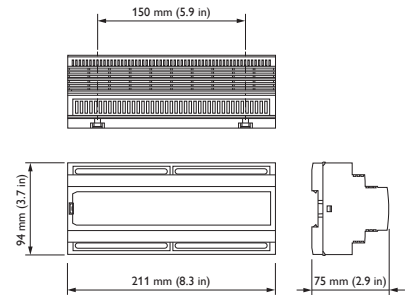# DDNG232 RS232 Network Gateway
Cost-effective serial port integration

The Philips Dynalite DDNG232 network gateway provides cost-effective serial port integration between a DyNet network and third-party systems.

- Seamless integration with third-party systems — Including AV systems, lighting desks, data projectors, HVAC, BMS and security systems.

- Internal controls — Including programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing.

- Utilize data format library or create your own — A library of data formats is available for systems integrators, or can be created using the onboard conditional logic engine to assemble and transmit user-defined data strings.

- Macro functions available — To simplify the control of multiple devices.

- Flexible mounting solution — DIN-rail mountable, designed to be installed into a distribution board or other electrical enclosure.

150 mm (5.9 in)

94 mm (3.7 in)

211 mm (8.3 in)   75 mm (2.9 in)

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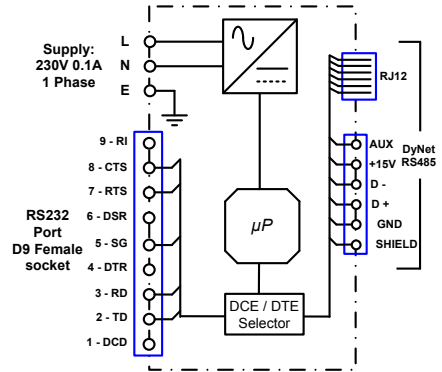
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Specifications

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

Item	Specification	Details
Electrical	Input Voltage	230 VAC ± 14% 50 / 60 Hz Single Phase @ < 0.1 A
	DyNet DC supply	12 V @ 90 mA (supply for approx 6 user interfaces)
Control	Control Ports	One RS-485 DyNet serial port Two RS-232 serial ports
	RS-485 Port Connections	SHLD, GND, D-, D+, +12 V All available on screw terminals 1 x 2.5 mm² max conductor size. Also available on RJ12 socket
	RS-232 Port Connections	Two Female DB9 connections
	RS-232 Port Modes	DTE, DCE; selected by jumpers
	RS232 Data Formats	Baudrate: 600 - 250 k Max packet length: 254 bytes Data bits: 7 / 8 Stop bits: 1 / 2 Parity: odd/even/none Flow control: none / RTS-CTS
	User Controls	Service Switch Diagnostic LED
	Internal Controls	Programmable Logic Controller
Physical	Dimensions (H x W x D)	94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")
	Packed Weight	0.86 kg
	Construction	Polycarbonate DIN-rail enclosure (12 unit)
	Operating Conditions	Temperature: 0 to 50° C ambient Humdity: 0 to 90% 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	DDNG232 (Philips 12NC - 913703081809)

Electrical Diagram

RS-232 Control Lines

Pin	Function	Implementation
1	DCD (data carrier detect)	Not conected
2	RD (received data)	Connected to UART
3	TD (transmitted data)	Connected to UART
4	DTR (data terminal ready)	Not conected
5	SG (signal ground)	Connected to Ground
6	DSR (data set ready)	Not connected
7	RTS (request to send)	Software controlled
8	CTS (clear to send)	Software controlled
9	RI (ring indicator)	Not connected