

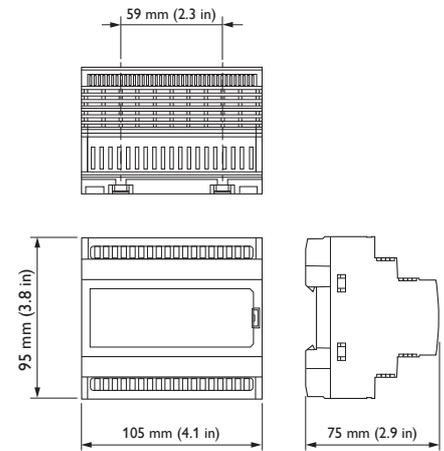


DDNI485 Passive Gateway

Cost-effective optical isolation

The Philips Dynalite DDNI485 is a passive network gateway designed to provide a cost-effective optical isolation solution.

- Electrical fault isolation — Two opto-isolated RS-485 ports enable the DDNI to implement network segmentation, electrically isolating each spur and containing network faults.
- Passive device — Does not require programming.
- Flexible mounting solution — DIN-rail mountable, designed to be installed into a distribution board or other electrical enclosure.



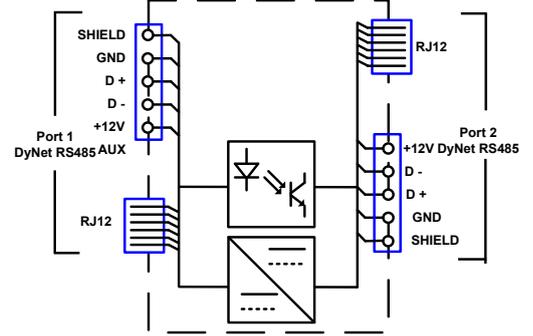
For detailed product information, please refer to the product information pages at www.philips.com/dynalite and follow the links.

Specifications

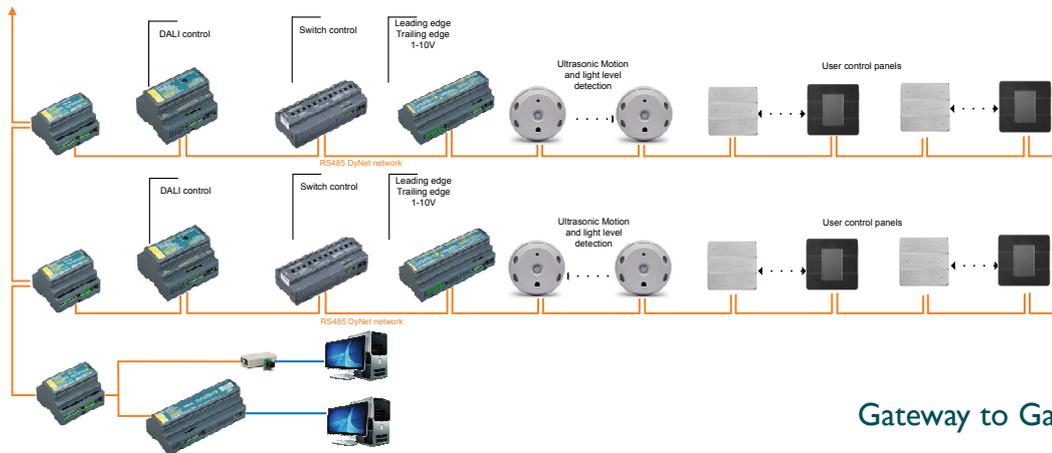
Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
Electrical	Input Voltage	12V DC 30 mA from the DyNet network (port 1)
Control	Control Ports	Two RS-485 DyNet / DyNet II serial ports
	Serial Port Isolation	2.75 KV surge rated optical isolation between ports
Physical	Serial Port Terminals	Serial Port 1: SHLD, GND, D+, D-, +12V 1 x 2.5 mm ² max conductor size Serial Port 2: SHLD, GND, D+, D-, +12V 1 x 2.5 mm ² max conductor size 1 x RJ12 socket for plug in connection
	Dimensions (H x W x D)	95 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")
	Packed Weight	0.2 kg
	Construction	Polycarbonate DIN-rail enclosure (6 unit), IP20 rated
	Operating Conditions	Temperature: 0 to 50° C ambient Humidity: 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	DDNI485 (Philips I2NC - 913703081309)

Electrical Diagram



Network Topology Example



Gateway to Gateway



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