PHILIPS

dynalite

Integration Devices

DDNG485

RS-485/DMX512 Gateway

Flexible network communications gateway

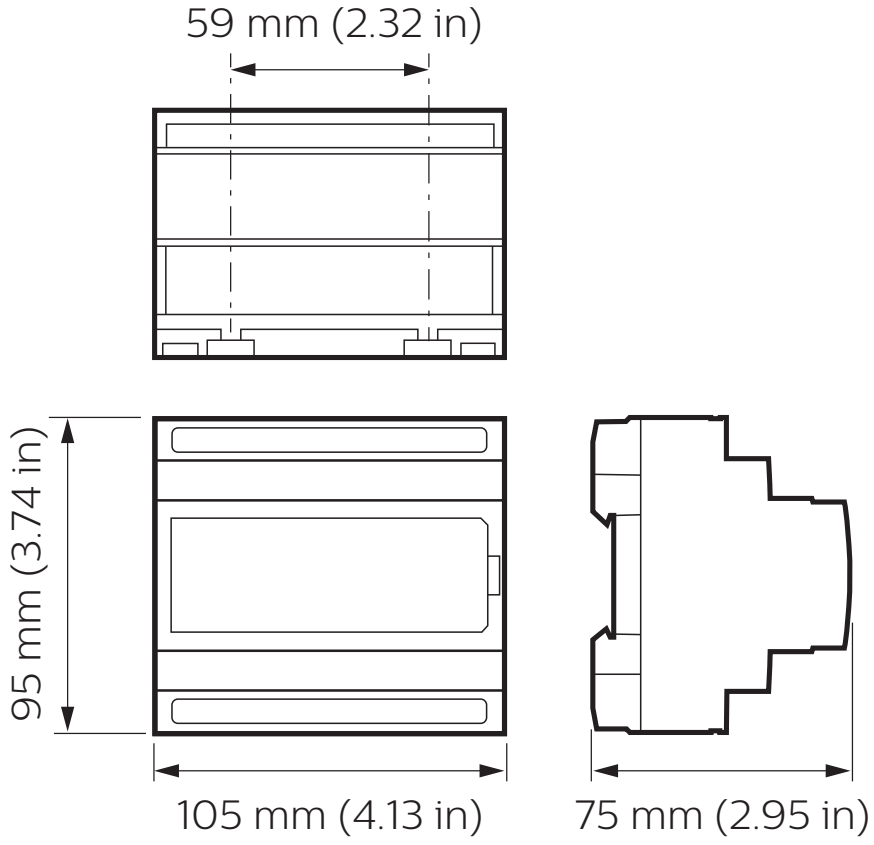
The Philips Dynalite DDNG485 is a flexible network communications bridge designed for RS-485 networks. The two opto-isolated RS-485 ports enable the DDNG485 to implement a trunk and spur topology on large project sites, with the bridge providing a high-speed backbone opto-coupled to many lower speed spurs.

DDNG485

Flexible network communications gateway

- **Route DyNet to third-party systems** – Such as audio-visual, Somfy blind controllers, Modbus meters and building automation systems, providing an integrated approach to total building control and energy management.
- **DMX512 mode** – Transmit or receive up to 64 channels of DMX512, with automatic DyNet conversion and task triggering. Provides temporary control of house lights from the DMX512 console in an auditorium scenario.
- **Electrical fault isolation** – Faults can be isolated to individual network spurs.
- **Internal controls** – Programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing, packet filtering and DyNet to DyNet 2 translation.
- **Flexible mounting solution** – DIN-rail mountable, designed to be installed into a distribution board or other electrical enclosure.

Dimensions



Specifications

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

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Electrical

Supply Type	DyNet (Port 1)
Supply Voltage	12 VDC
Supply Current	375 mA
Serial Port Isolation	Optical (3.75 kV RMS)
DyNet DC Output Voltage	Port 2: 12 VDC
DyNet DC Output Current	180 mA
IEC Overvoltage Category	III

Control

Communication Ports	2 x RS-485
Supported Protocols	DyNet DyNet2 DMX
DMX Tx Channels	64
DMX Rx Channels	64
Dry Contact Inputs	1 (AUX)
User Controls	1 x service switch
Indicators	1 x service LED
Diagnostic Functions	Device online/offline status

Physical

Dimensions (H x W x D)	95 x 105 x 75 mm (3.74 x 4.34 x 2.95 in)
Packed Weight	0.25 kg (0.55 lb)
Construction	Polycarbonate DIN-rail enclosure (6 unit)
Communication Ports	1 x RJ12 11 x screw terminal
Communication Terminal Conductor Size	2.5 mm^2 (#12 AWG) (max)

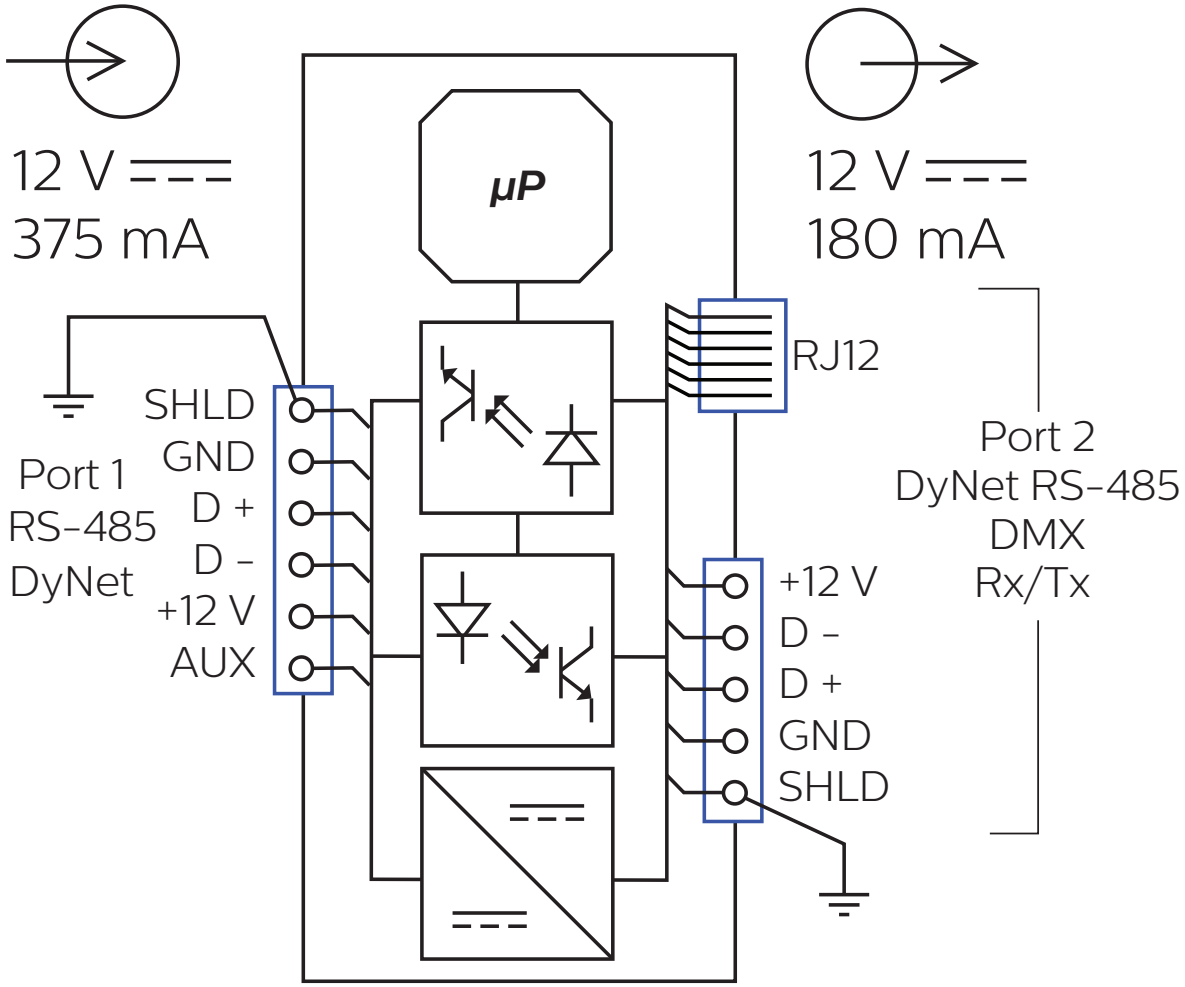
Environment

Operating Temperature	-0° to 50°C ambient (32° to 122°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	III

Compliance

Certification	CE, RCM, RoHS

Electrical



Ordering Code

Product	Philips 12NC
DDNG485	913703081209

Revision 01 2018-01-23