

DDNG485-NA

Network Gateway

The Philips DDNG485-NA is a flexible network communications gateway designed for DyNet RS485 networks. The two opto-isolated RS485 ports enable the DDNG485-NA to implement a trunk and spur topology on large project sites, with the device providing a high-speed backbone optocoupled to many lower speed spurs. It also provides isolation of electrical faults to individual spurs. The device is also designed to enable cost effective integration between the Philips control system and third party devices. The on-board processor can assemble and transmit user-defined data strings. The DDNG485-NA has a DMX512 mode that can transmit or receive up to 64 slots (channels) of DMX512, with automatic DyNet conversion and Task triggering. This is a method of providing control of DMX512 devices that are not able to communicate with DyNet.

Technical Data



Supply

DyNet DC Load: max. 330mA @ 24VDC, fed via Port 1.
max. load on Port 2 24VDC out: 150mA

Control Ports

2 x RS485 DyNet serial ports

Serial Port Isolation

2.5KV surge rated optical isolation between ports

User Controls

Service switch
Diagnostic LED

DMX512 Functions

DMX512 receive: 64 data slots
DMX512 transmit: 64 data slots

Serial Port Terminals

Port 1 (Input):
SHIELD, GND, D+, D-, +24V, AUX
screw terminal: 1 x 14 AWG or 2 x 18 AWG max. conductor size
Port 2 (Output):
SHIELD, GND, D+, D-, +24V
screw terminal: 1 x 14 AWG or 2 x 18 AWG max. conductor size
1 x RJ45 jack for plug in connection

Diagnostic Functions*

Device Online/Offline status
* MapView, Touch Screen or BAS interface required for analyzing diagnostic data.

Compliance

ICES, FCC, RoHS Compliant

Operating Environment

32° to 122°F (0° to 50°C)
ambient temp
0% to 90% RH non condensing

Construction

Polycarbonate DIN Rail case (6 units wide)

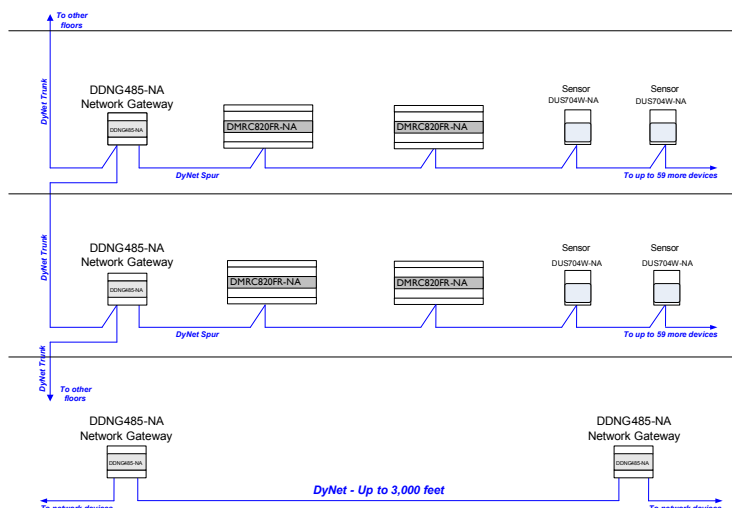
Dimensions

H 3.7" x W 4.1" x D 3.0"

Weight

Packed weight 0.55 lb

Topology Example



Job Information Type:

Job Name:

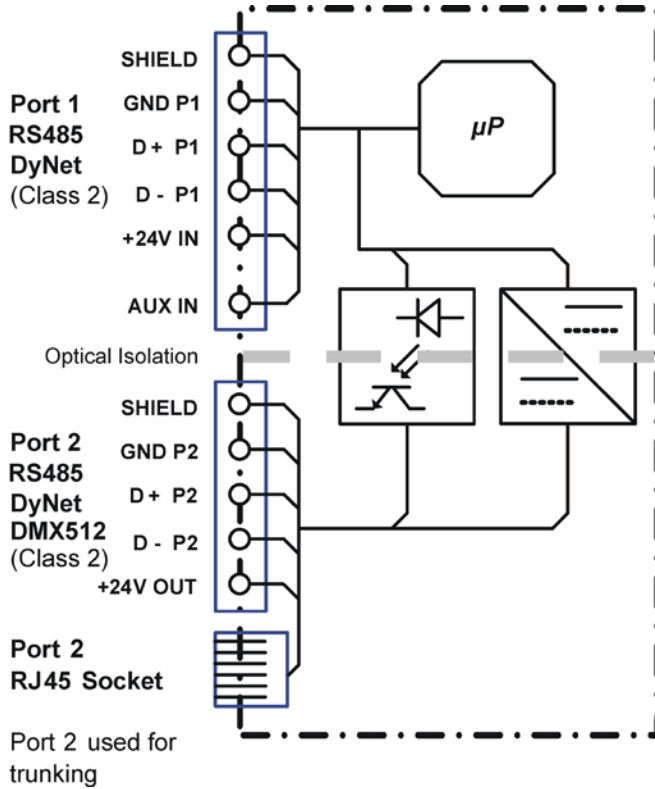
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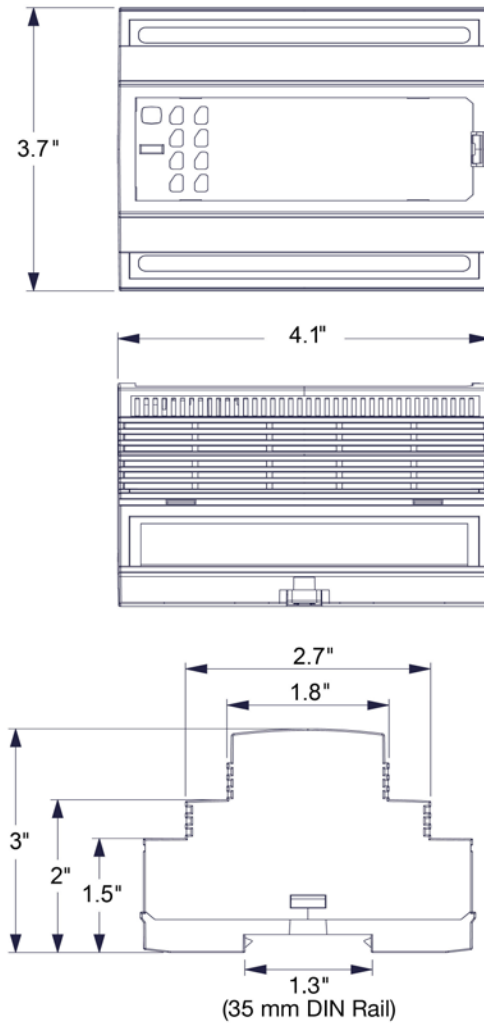
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Electrical Diagram



Mounting Dimensions



Ordering Information

Type	Description	Quantity
DDNG485-NA	RS485 Network Gateway	1



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Job Information **Type:**