

PDEG

Ethernet Gateway

signify
Dynalite

Specification Sheet

Gateways > Network Gateways



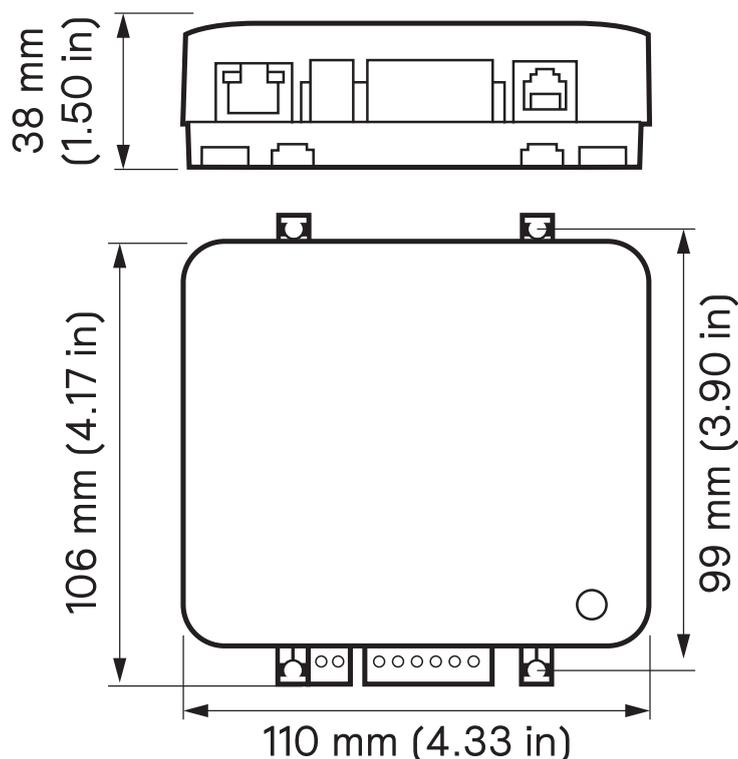
Flexible Ethernet integration

The Dynalite PDEG provides a multipurpose Ethernet connection to the Dynalite lighting control system, and supports access to the lighting system via a dedicated app, as well as providing a web interface to the inbuilt timeclock and schedule editor functions and bridging functionality between an Ethernet backbone and DyNet devices.

Key Features

- **Large storage capacity** - Stores large project files internally for app auto-configuration. This saves configuration time and ensures accuracy for phone and tablet control.
- **Built-in web server** - Provides control and status via Common Gateway Interface (CGI) protocol. Allows authenticated users to edit and check system settings via the Network Hardware Checker and System Roll Call tools.
- **Secure access** - Employs HTTPS for secure, encrypted network communication
- **Network routing** - Functionality includes address offset and message filtering/translation.
- **Scheduled event management** - Inbuilt timeclock, schedule manager, sunrise/sunset tracking, and automatic daylight saving adjustment allow the user to manage operation and task scheduling without advanced technical knowledge.
- **Powerful custom task engine** - Enables users and third-party systems to run macros such as 'After Hours', 'Shut Down', 'Welcome', and more.
- **Advanced interoperability** - Supports management of Dynalite systems, Philips PoE fittings, and Philips Hue lamps and bridges on a single system.
- **Third-party integration** - Capable of direct communication with specialised hospitality and building automation systems such as VingCard Elsafe, CoolAutomation, Oracle Fidelio, and others.
- **Day Rhythm** - Supports up to five colour temperature curves to simulate the intensity and colour temperature of natural daylight throughout the day. Different curves can be assigned to different seasons or specific days as required (Requires DALI 209 compatible dimming controller).
- **Versatile mounting options** - Hybrid mounting clips support installation in a DIN rail enclosure or on any flat surface.

Dimensions



Specifications

Electrical	
Supply Type	DyNet OR External regulated DC supply (SELV/Class 2)
Supply Voltage	12-24 VDC (power supply voltage must match network voltage)
DC Supply Current	300 mA @ 12 V 250 mA @ 24 V
DyNet Supply Current	100 mA @ 12 V 50 mA @ 24 V
DyNet DC Output Current	200 mA (if powered by external SELV/Class 2 supply)
IEC Overvoltage Category	III

Control	
Communication Ports	1 x RS-485 1 x Ethernet (10/100 baseT)
Supported Protocols	DyNet / DyNet2 DMX TCP/IP (TCP, UDP, IPv4/IPv6) HTTP / HTTPS / FTP / CGI / Telnet
Dry Contact Inputs	1 (AUX)
Clock Features	365 day clock Lithium backup battery Sunrise/sunset tracking Automatic daylight saving adjustment 250 timed events 64 tasks
Storage Capacity	16 MB XML file storage max (28-day rolling network log)
User Controls	1 x service switch
Indicators	1 x service LED 2 x Ethernet status LED

Physical	
Dimensions	106 x 110 x 38 mm (4.17 x 4.33 x 1.50 in)
Packed Weight	0.21 kg (0.46 lb)
Construction	Low-profile DIN rail polycarbonate (6 unit)
Communication Ports	1 x RJ45 1 x RJ12 1 x 6-way pluggable screw terminal
Communication Terminal Conductor Size	0.3-2.5 mm ² (#22-12 AWG)
Supply Terminals	1 x 2-way pluggable screw terminal
Supply Terminal Conductor Size	0.3-2.5 mm ² (#22-12 AWG)

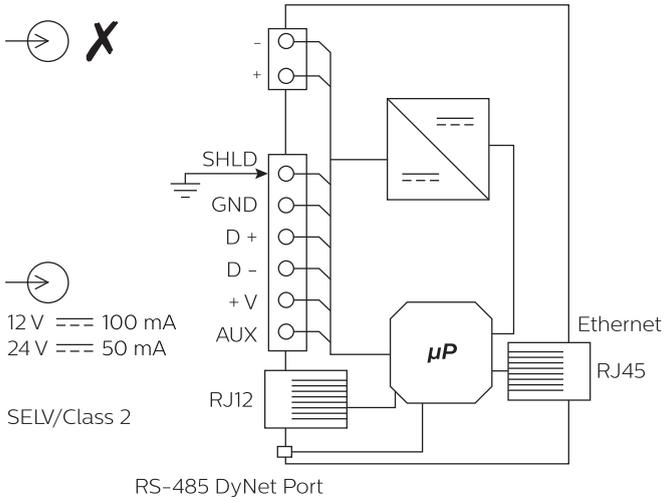
Environment	
Operating Temperature	-20° to 50°C ambient (-4° to 122°F)
Storage Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	≤90% non-condensing
IEC Pollution Degree	II
Installation Note	For indoor installation only

Compliance	
Certifications	CE, RCM, UL/cUL, FCC, ISED, UKCA, RoHS

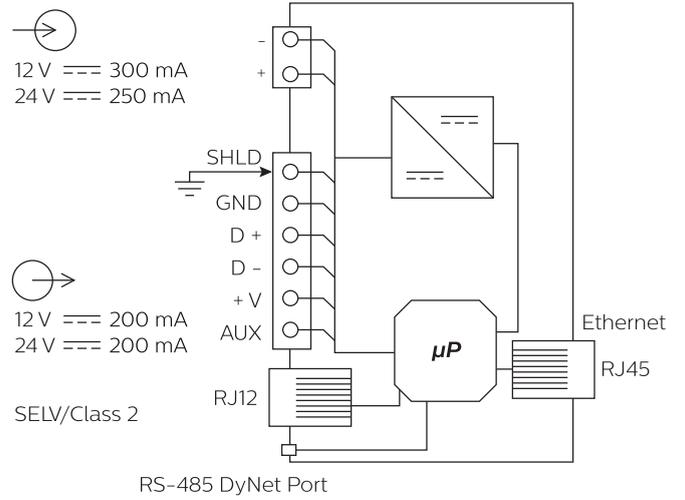


Electrical Drawing

DyNet Supply



DC Supply



Ordering Codes

Product	12NC
PDEG	913703013809

Accessory	12NC	
DDNP1501	Network Power Supply	913703130509