

PDDEG-S

Ethernet Gateway – Supervisor



Specification Sheet

Gateways > Network Gateways



Secure remote connection to the Dynalite System

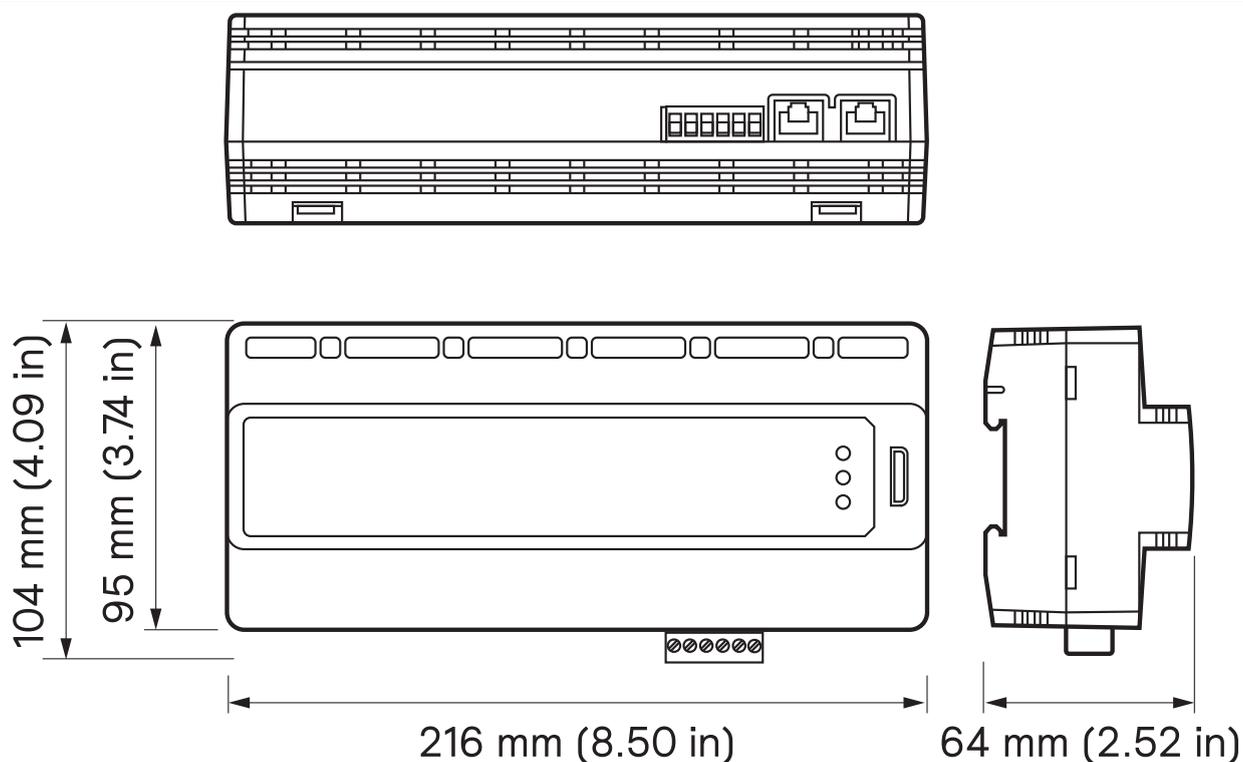
The Dynalite PDDEG-S provides gateway services between Ethernet and DyNet devices, enabling secure online access to the Philips lighting control system.

The gateway enables lighting control via a dedicated Dynalite app, and access to the timeclock, schedule editor, and diagnostic functions via an inbuilt webserver.

Key Features

- **System supervisory functions** - Includes online/offline status reporting for connected devices, network traffic logging, secure remote firmware update, and lighting control metrics. Inbuilt timeclock and schedule manager support automated operations and task scheduling.
- **Multiple integration options** - Supports TCP/UDP, IPv4/IPv6, unicast/multicast/broadcast, DyNet1, DyNet2, Fidelio, BACnet (see Ordering Codes for license options), and 'Text and Binary Integration' protocols. Capable of supporting hundreds of concurrent socket connections.
- **Flexible connectivity** - Provides secure cloud connectivity to the building with user-configurable routing and a range of RS-485 and Ethernet bridging functions.
- **Powerful custom task engine** - Allows users or third-party systems to run macros such as 'After Hours', 'Shut Down', 'Welcome', and more.
- **Web server and app access** - Enables remote access to lighting control, schedule editing, and device configuration.
- **Secure connection to Dynalite controllers** - Each PDDEG-S supports encrypted communication with up to 25 Ethernet-equipped controllers, including the DDBC320-DALI and DDRC-GRMS-E.
- **Flexible mounting** - DIN rail mounting clips designed for installation into a distribution board or electrical enclosure.

Dimensions



Specifications

Electrical	
Supply Type	Single-Phase
Supply Voltage	100-277 VAC
Supply Current	250 mA
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	300 mA
IEC Overvoltage Category	III

Control	
Communication Ports	1 x RS-485 2 x Ethernet (10/100 baseT)
Supported Protocols	DyNet (Port 1 only) TCP/IP (IPv4, IPv6) BACnet (requires license)
Dry Contact Inputs	1 (AUX)
User Controls	1 x service switch
Indicators	1 x Service LED 2 x Ethernet LED 1 x Cloud LED

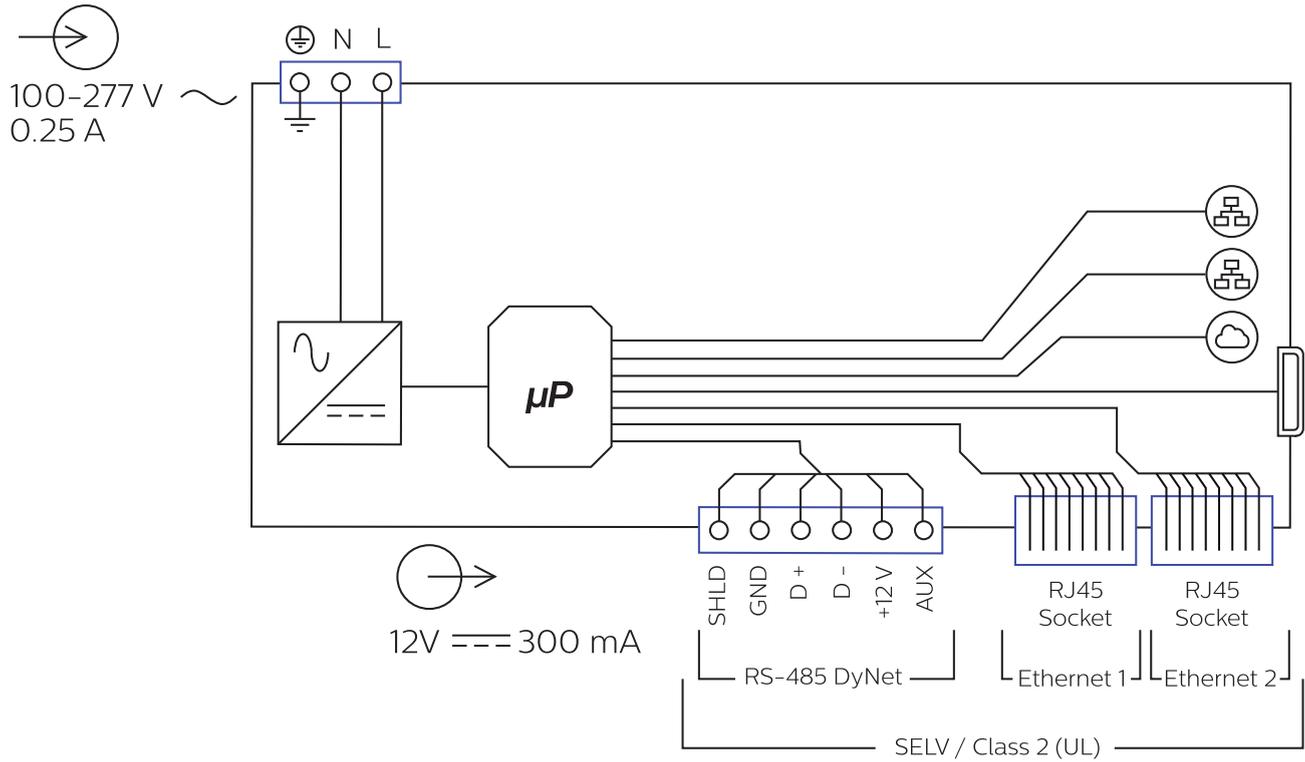
Physical	
Dimensions	95 x 216 x 64 mm (3.74 x 8.50 x 2.52 in)
Packed Weight	0.45 kg (0.99 lb)
Construction	Polycarbonate DIN rail case (12 unit)
Communication Ports	2 x RJ45 1 x 6-way pluggable screw terminal
Communication Terminal Conductor Size	0.3-2.5 mm ² (#22-12 AWG)
Supply Terminals	3 x screw terminal
Supply Terminal Conductor Size	0.2-5 mm ² (#24-10 AWG)

Environment	
Operating Temperature	0° to 50°C ambient (32° to 122°F)
Storage/Transport 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, UKCA, RoHS, ISED, BACnet ISO 16484-6



Electrical Drawing



Ordering Codes

Product	12NC
PDDEG-S	913703371509

BACnet License	12NC
PDDEG-S BACnet 500 point license	SW913703370509
PDDEG-S BACnet 1k point license	SW913703370609
PDDEG-S BACnet 5k Point license	SW913703370709
PDDEG-S BACnet 10k Point license	SW913703370809