



PDDEG-S

Ethernet Gateway - Supervisor

Secure remote connection to the Dynalite System

The Philips 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 Philips app, and access to the timeclock, schedule editor and diagnostic functions via an inbuilt web server.

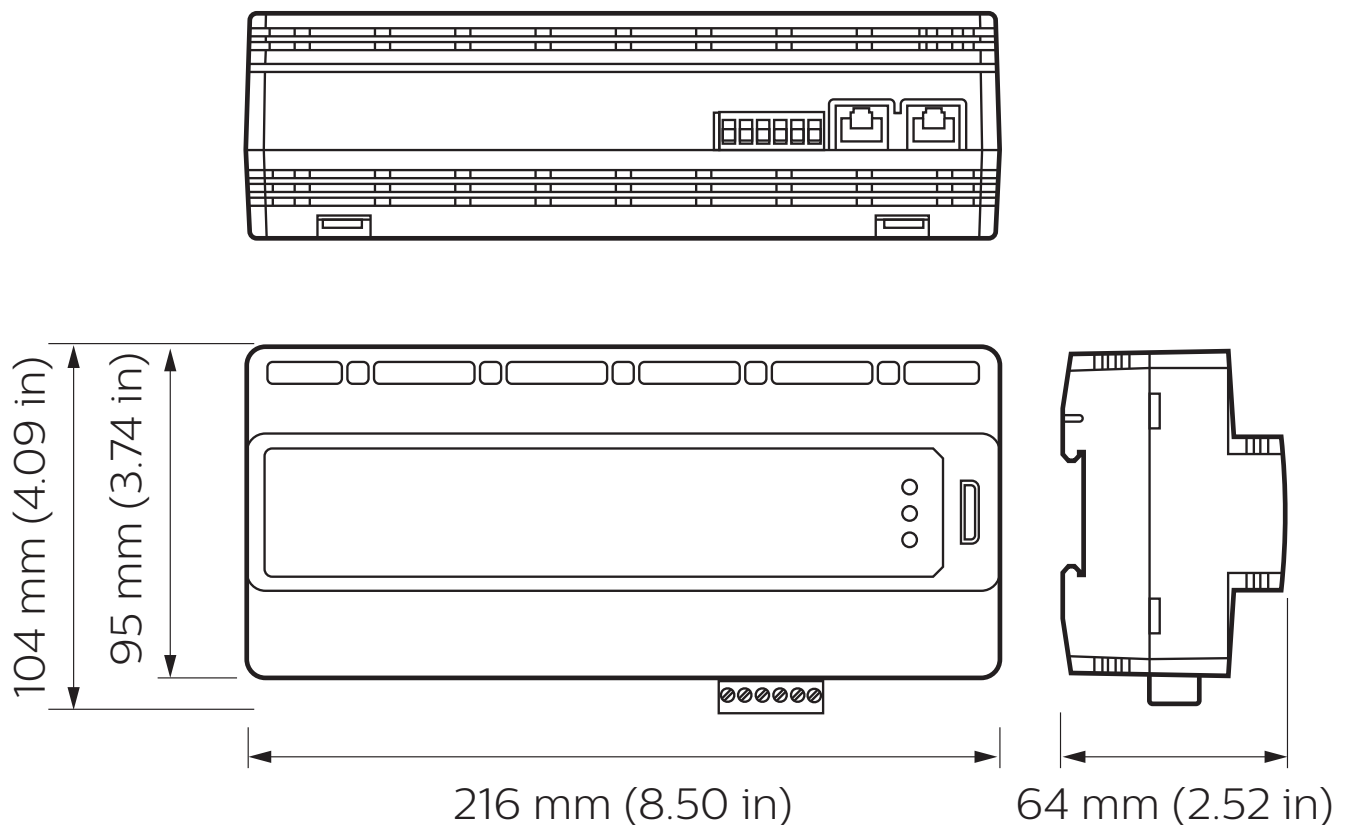
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- **System supervisory functions** – Includes online/offline status reporting for connected devices, network traffic logging, secure remote firmware update and lighting control metrics. Inbuilt timeclock and schedule manager allow the user to manage automated operations and task scheduling.
- **Multiple integration options** – Supports TCP/UDP, IPv4/IPv6, unicast/multicast/broadcast, DyNet1, DyNet2, Fidelio, BACnet*, and 'Text and Binary Integration' protocols. Capable of supporting hundreds of socket connections concurrently.
- **Flexible connectivity options.**– provides secure cloud connectivity to the building with user configurable routing and a choice 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 for 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.

* BACnet integration requires additional license, see Ordering Codes.

Dimensions



Specifications

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



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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* TCP/IP (IPv4, IPv6) BACnet**
Dry Contact Inputs	1 (AUX)
User Input	1 x service switch
Indicators	1 x Service LED 2 x Ethernet LED 1 x Cloud LED

* Port 1 only

** BACnet integration requires additional license, see Ordering Codes

Physical

Dimensions (H x W x D)	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) (max)
Supply Terminals	3 x screw terminal
Supply Terminal Conductor Size	0.2-5 mm ² (#24-10 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)
Relative Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

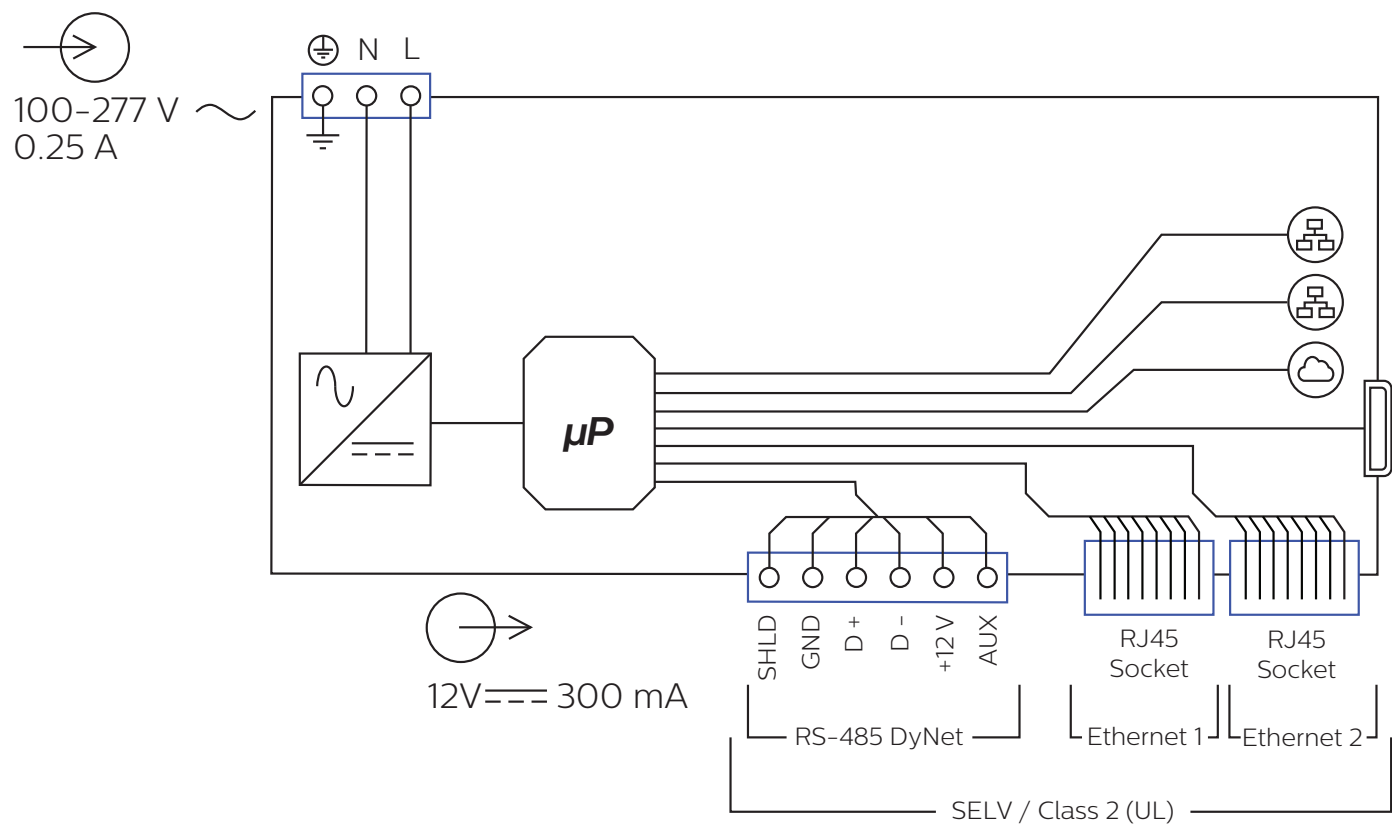
Compliance

Certification	CE, RCM, UL/cUL, FCC, UKCA, RoHS, CAN ICES-3 (B)/NMB-3 (B) BACnet ISO 16484-6
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*** For indoor installation only



Electrical



Ordering Codes

Product	12NC
PDDEG-S	913703371509
BACnet License	
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

