



PDEB

Ethernet Bridge

Inexpensive Ethernet integration

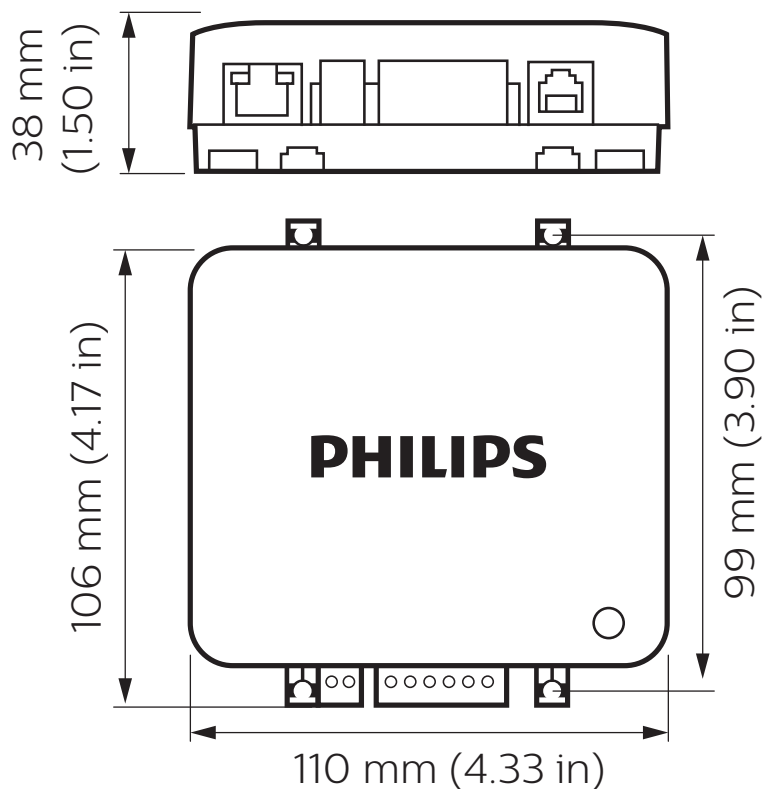
The Philips Dynalite PDEB provides a standard Ethernet connection to a Philips lighting control system in applications ranging from tunnels to hotel rooms. It provides bridging functionality between an Ethernet backbone and DyNet devices.

PDEB

Inexpensive Ethernet integration

- **Powerful custom task engine** – Allows users or third-party systems to run macros such as ‘After Hours’, ‘Shut Down’, ‘Welcome’ and more.
- **Versatile mounting options** – Hybrid mounting clips allow the device to be mounted on a DIN-rail or to any flat surface.

Dimensions



Specifications

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



PDEB
Ethernet Bridge

Electrical

| | |
|--------------------------|--------------------------------|
| Supply Type | DyNet or DC* |
| Supply Voltage | 12-24 VDC† |
| 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 |
| IEC Overvoltage Category | III |

Control

| | |
|---------------------|---|
| Communication Ports | 1 x RS-485 1 x Ethernet (10/100 baseT) |
| Supported Protocols | DyNet DMX TCP/IP (TCP, UDP) IPv4, IPv6 |
| Dry Contact Inputs | 1 (AUX) |
| User Input | 1 x service switch |
| Indicators | 1 x service LED |

Physical

| | |
|---------------------------------------|--|
| Dimensions (H x W x D) | 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 | 2.5 mm² (#12 AWG) (max) |
| Supply Terminals | 1 x 2-way pluggable screw terminal |
| Supply Terminal Conductor Size | 2.5 mm² (#12 AWG) (max) |

Environment

| | |
|-------------------------------|--------------------------------------|
| Operating Temperature | -20° to 50°C ambient (-4° to 122°F) |
| Storage/Transport Temperature | -25° to 70°C ambient (-13° to 158°F) |
| Humidity | 0 to 90% non-condensing |
| IEC Pollution Degree | II |

Compliance

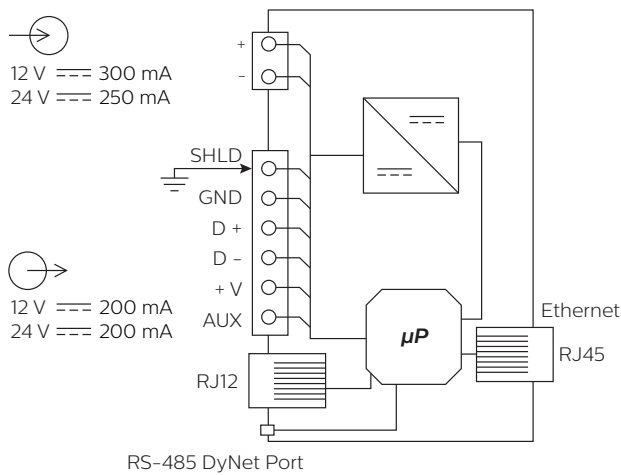
| | |
|---------------|----------------------------------|
| Certification | CE, RCM, UL/cUL, FCC, ICES, RoHS |
|---------------|----------------------------------|

* From external regulated SELV / Class 2 supply
† Power supply voltage shall match network voltage
‡ If powered by external SELV / Class 2 supply

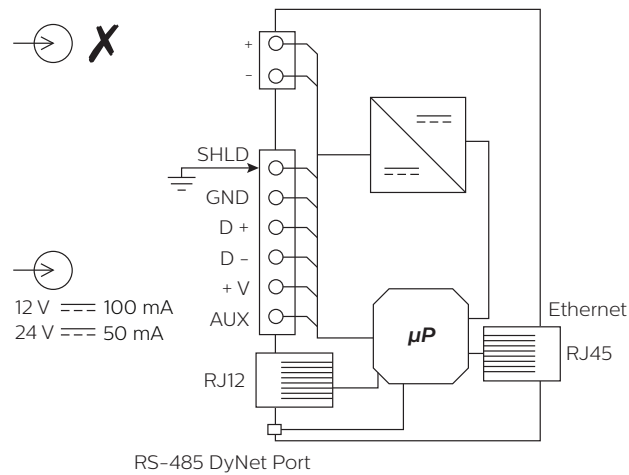


Electrical

SELV/CLASS 2 supply with full DyNet load



DyNet supply



Ordering Code

| Product | Philips 12NC |
|---|--------------|
| PDEB | 913703240009 |
| Accessories | |
| DDNP1501 (12 VDC network power supply) | 913703090309 |
| DMNP24040-P-NA (24 VDC network power supply) | 913703580309 |



© 2018 Signify Holding. All rights reserved. Specifications are subject to change without notice. No representation or warranty as to the accuracy or completeness of the information included herein is given and any liability for any action in reliance thereon is disclaimed. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.