



Multipurpose Ethernet connection

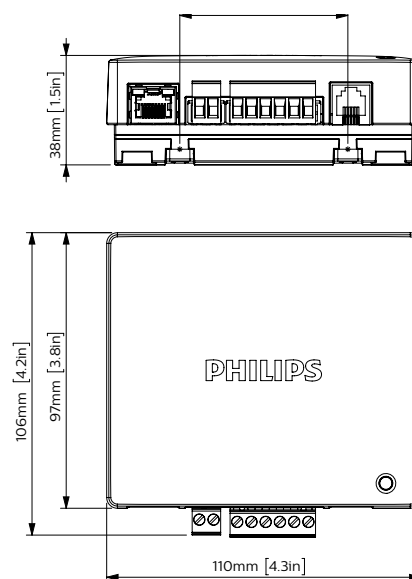
EnvisionGateway manages the Ethernet connection between Philips connected lighting luminaires, Philips Dynalite devices and Philips EnvisionManager end user software. EnvisionGateway provides bridging functionality between an Ethernet trunk and a DyNet RS485 spur or between an Ethernet trunk and an Envision PoE subnet. The device supports IPv4 and IPv6 protocols, with static or DHCP assigned IP addressing.

- Large storage capacity — The device stores large project files internally, which apps use to autoconfigure their settings. This saves configuration time and ensures accuracy for phone and tablet control.
- Inbuilt web server — Allows for browser based control scenarios. The interface incorporates a Task Engine that can process comprehensive conditional and sequential logic and arithmetic functions.
- No technical skills needed — Inbuilt timeclock and schedule manager allow the user to manage operation and task scheduling without advanced technical knowledge.
- Powerful custom task engine — Allows users or third-party systems to run macros, such as 'After Hours', 'Shut Down', 'Welcome' and more.
- Advanced interoperability — Supports management of Philips Dynalite and connected lighting solutions fittings on a single system.

Specifications

Item	Specification	Details
Electrical	Dual supply option	12 / 24 VDC from an external regulated SELV / Class 2 power supply. Max 100 mA @ 12 V plus DyNet load, max 50 mA @ 24 V plus DyNet load or ; 12 / 24 VDC from DyNet (no external PS connected). Max 100 mA @ 12 V, max 50 mA @ 24 V Allowed supply ripple max. 1Vpp
	DyNet DC Supply	Max 200 mA contribution to the network (when powered from external power supply) Power supply voltage shall match network voltage
Control	Communications Ports	One RS-485 DyNet serial port One 10/100BaseT Ethernet port
	Supported Ethernet Protocols	TCP/IP (TCP, UDP) HTTP, FTP IPv4, IPv6
	Storage Capacity	Max 16 MB for XML file storage 28 day rolling network log
	Encryption	AES - 256 bit
	User Controls	Service switch Service LED Ethernet LED's status
	Diagnostic Functions	Device Online / Offline status
Physical	RS-485 Port Connections	Shield, GND, D-, D+, +Ve, AUX All available on screw terminals 1 x 2.5 mm ² conductor size Also available on RJ12 socket
	Ethernet Port Connections	Female RJ45 socket
	Supply Terminals	1 x 2 pole 5 mm pluggable screw terminal (+, -), 1 x 2.5 mm ² max conductor size per pole
	Dimensions (H x W x D)	97 mm x 110 mm x 38 mm (3.8" x 4.3" x 1.5")
	Packed Weight	0.21 kg
	Construction	Low profile DIN-rail polycarbonate (6 unit)
	Operating Conditions	Temperature: -5 to 50° C ambient Humidity: 0 to 90% non-condensing
	Storage & Transport	Temperature: -25 to 70° C ambient Humidity: 0 to 90% non-condensing
Certification	Certification	CE, C-Tick, UL, FCC, ICES
Options & Ordering	Standard Product	EnvisionGateway (Philips 12 NC - 913703013809)

Dimensions



Electrical Diagram

