DLLI8I8O

Dry Contact Interface

Specification Sheet
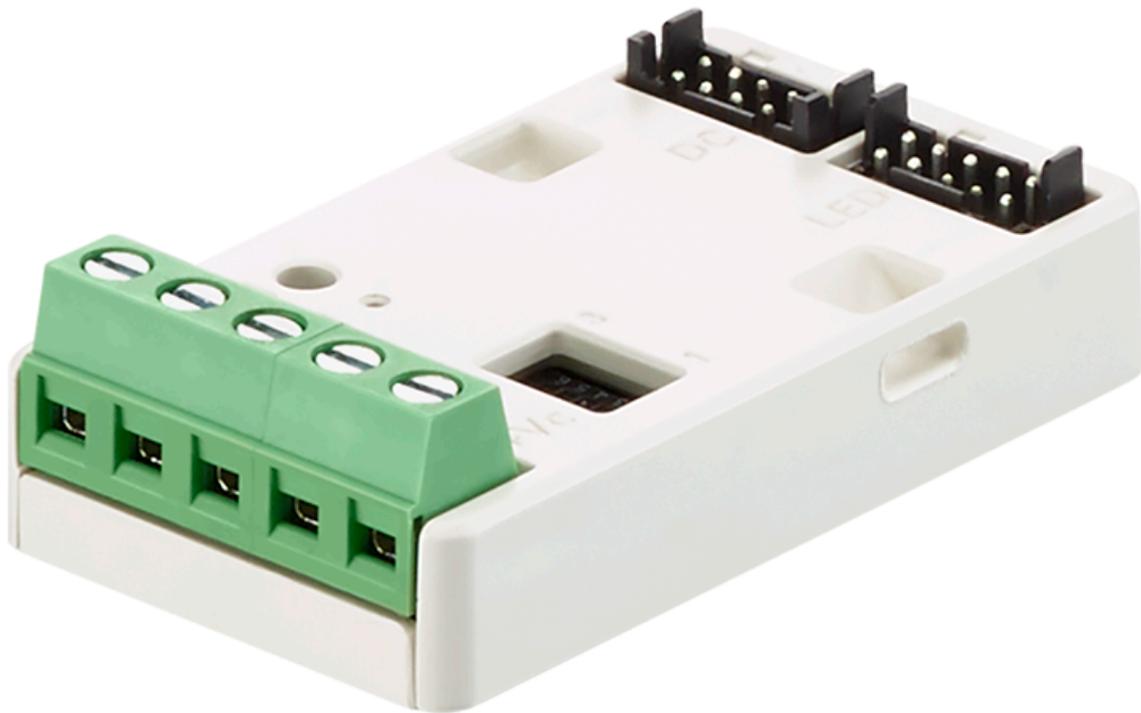
Eight-way dry contact interface with LED outputs

The Dynalite DLLI8I8O enables mechanical and electronic switches to communicate directly to the DyNet network.

This interface is also capable of driving an infrared LED (not included) to function as an IR blaster, controlling devices that support IR receive in response to commands from the DyNet network.

Key Features

- **Compact size** – Supports installation in electrical wall boxes for easy integration with third-party user interfaces.

- **Eight dry contact inputs** – Each dry contact trigger is individually programmable for a range of tasks.

- **Eight indicator outputs** – Each output is individually programmable to drive an external LED indicator sharing a common cathode, communicating current system status or settings.

- **Supports up to 20 m cable runs** – Enables convenient connection to dry contact interfaces in multiple rooms.

- **IR blaster functionality** – Configurable to send infrared commands when paired with a compatible third-party IR LED (See Installation Instructions. Required command sequences must be sourced and uploaded via Dynalite System Builder commissioning software).

Dimensions

53 mm (2.09 in)

30 mm
(1.18 in)

15 mm
(0.59 in)
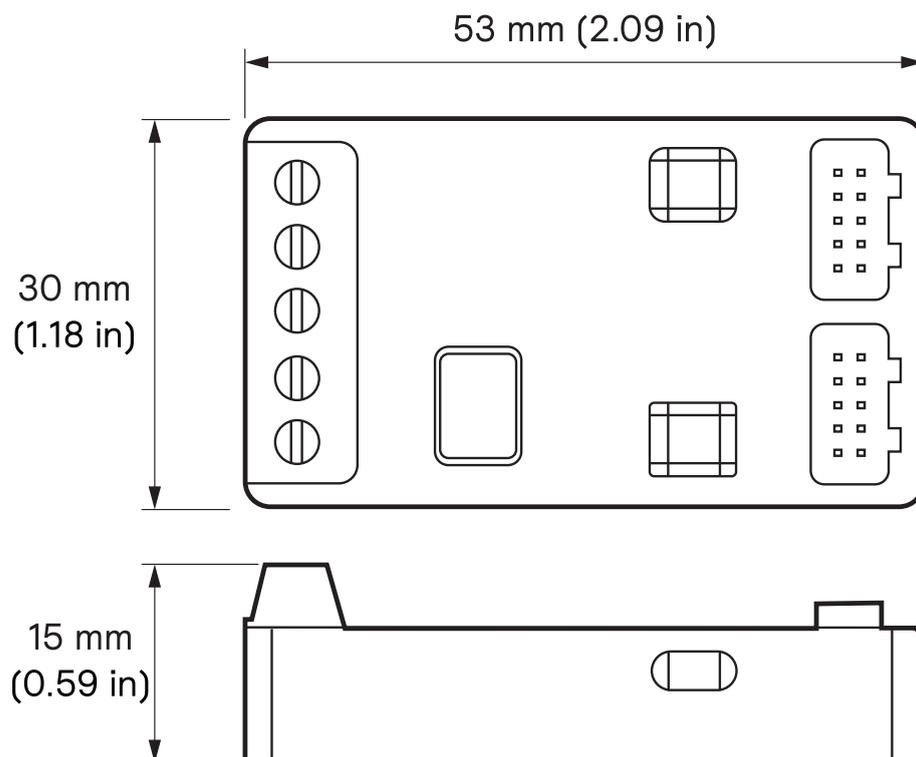
Specifications

Electrical

Supply Type	DyNet
Supply Voltage	12–24 VDC
Supply Current	30 mA
Dry Contact Open Switch Voltage	12 VDC (max)
Dry Contact Closed Switch Current	0.4 mA (max)
LED Output Channels	8
LED Output Channel Voltage	12–24 VDC (Ensure that connected LEDs match DyNet supply voltage)
LED Output Channel Current	1.65 mA
IEC Overvoltage Category	II

Control

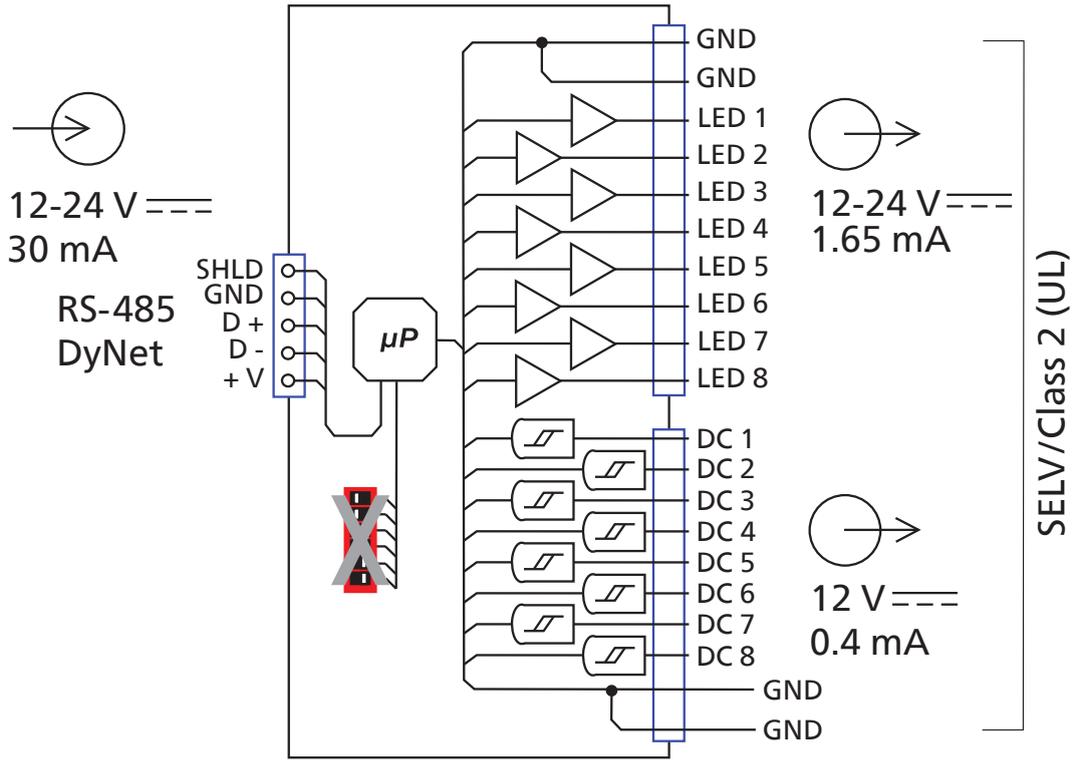|	
Communication Ports	1 x RS-485
Supported Protocols	DyNet
Dry Contact Inputs	8
User Controls	1 x service switch
Diagnostic Functions	Device online/offline status

Physical

Dimensions	53 x 30 x 15 mm (2.09 x 1.18 x 0.59 in)
Packed Weight	50 g (0.11 lb)
Construction	Plastic housing
Serial Ports	5 x screw terminal
Serial Port Conductor Size	0.3–2.5 mm² (#22-12 AWG)
Flylead Length	150 mm (5.91 in)

Environment

Operating Temperature	0° to 40°C ambient (32° to 104°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, ISED, UKCA
Sustainability	RoHS

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

dynalite.com

Electrical Drawing

Ordering Codes

Product		12NC
DLLI8I8O		913703023009
DLLI8I8O	pack of 5	913703369209

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