DDNG232

RS-232 Network Gateway

Specification Sheet

Gateways > Integration Devices



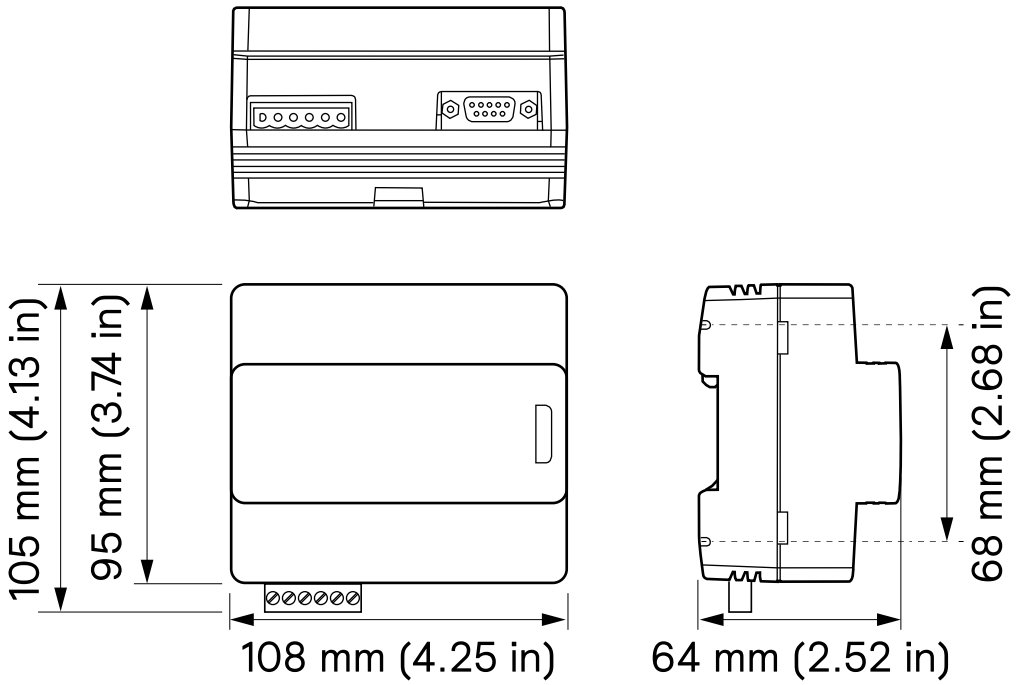
DIN rail serial port integration

The Dynalite DDNG232 provides cost-effective serial port integration between the DyNet network and third-party systems.

Key Features

- **Seamless integration with third-party systems** – Including AV systems, lighting desks, data projectors, HVAC, BMS, and security systems.
- **Programmable logic controller (PLC)** – Capable of comprehensive conditional and sequential logic and arithmetic function processing.
- **Predefined data format library or create your own** – A library of data formats is available for system integrators, or can be created using the onboard conditional logic engine to assemble and transmit user-defined data strings.
- **Macro functions available** – Simplify the control of multiple devices.
- **Flexible mounting** – DIN rail mounting clips designed for installation in a distribution board or electrical enclosure.

Dimensions



Specifications

Electrical

Supply Voltage	12–24 VDC (Port 1) SELV / Class 2 (UL)
Supply Current	70 mA (max)
IEC Overvoltage Category	II

Control

Communication Ports	1 x RS-485 (9,600–115,200 bps) 1 x RS-232 (max 120,000 bps)
Supported Protocols	DyNet
RS-232 Port Modes	DTE, DCE (jumper-selectable)
Dry Contact Inputs	1 x AUX SELV / Class 2 (UL)
User Controls	1 x service switch
Indicators	1 x service LED
Diagnostic Functions	Device online/offline status

RS-232 Data Formats

Maximum Packet Length	254 bytes
Data Bits	7/8
Stop Bits	1/2
Parity	Odd/even/none
Flow Control	None/RTS-CTS

Physical

Dimensions	95 x 108 x 64 mm (3.74 x 4.25 x 2.52 in)
Packed Weight	0.22 kg (0.49 lb)
Construction	Polycarbonate DIN rail enclosure (6 unit)
Communication Ports	1 x 6-way pluggable screw terminal 1 x DB-9 D-Sub right-angle receptacle
Communication Terminal Conductor Size	0.3–2.5 mm² (#22–12 AWG)

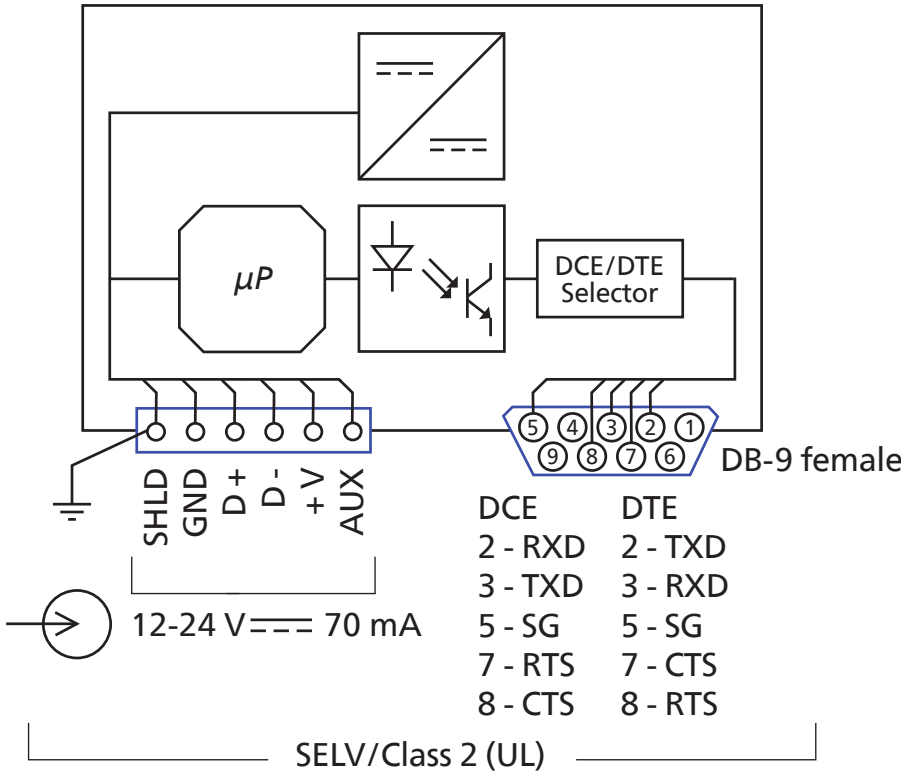
Environment

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	Install in a dry indoor well-ventilated location only. Minimum 45 mm top and bottom clearance.

Compliance

Certifications	CE, RCM, UL/cUL, FCC, ISED, UKCA
Sustainability	RoHS

Electrical Drawing



Ordering Codes

Product	12NC
DDNG232	913703366909

Policies and Notices

Specific Data Notice

This Specific Data Notice applies to the RS-232 network Gateways as specified in this product specification sheet (the **"RS-232 Gateway"**) that is part of or works with a Professional System offered by Signify for use in the European Union and supplements and/or corrects the Generic Data Notice For Professional Systems and Services that can be found at https://www.signify.com/global/resources/policies-announcements (the **"Generic Data Notice"**) by providing additional and/or more specific details specific to this Gateway.

Terms starting with a capital in this Specific Data Notice will have the meaning as attributed thereto in the Generic Data Notice, unless explicitly defined otherwise in this document.

When used in a Signify professional lighting system in combination with a Dynalite Gateway with either the Dynalite Switch App, Dynalite System Builder, Dynalite System Manager, or Dynalite Cloud, the RS-232 Gateway can generate the Data as specified below:

- Operational Data: Lighting control commands based on the RS-232 events configured in this product

The type and volume and format of Data that is generated depends on the actual devices used in the RS-232 network, the product and/or software configuration. For further details on data generation capabilities of such devices, please check the product specification sheets of such devices.

The Data generated in this combination is communicated via the network to the gateway and is stored on the gateway. If configured to do so, the gateway can forward the Data to Dynalite Cloud or to Dynalite System Manager. For applicable retention period and means of access to Data that is Readily Available Data, please refer to the Dynalite Cloud software specification sheet. Data can be accessed from the Gateway using Dynalite System Builder or directly from any of the APIs of the Gateway. The Gateway will persist the Data for 28 days on a rolling basis.

This Specific Data Notice may be changed by Signify from time to time. The current version of this notice will apply and can be obtained at request via the point of contact as indicated in paragraph 7 of the Generic Data Notice.

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