

DDBC1200

Signal Dimmer Controller



Specification Sheet

Controllers > DALI Controllers



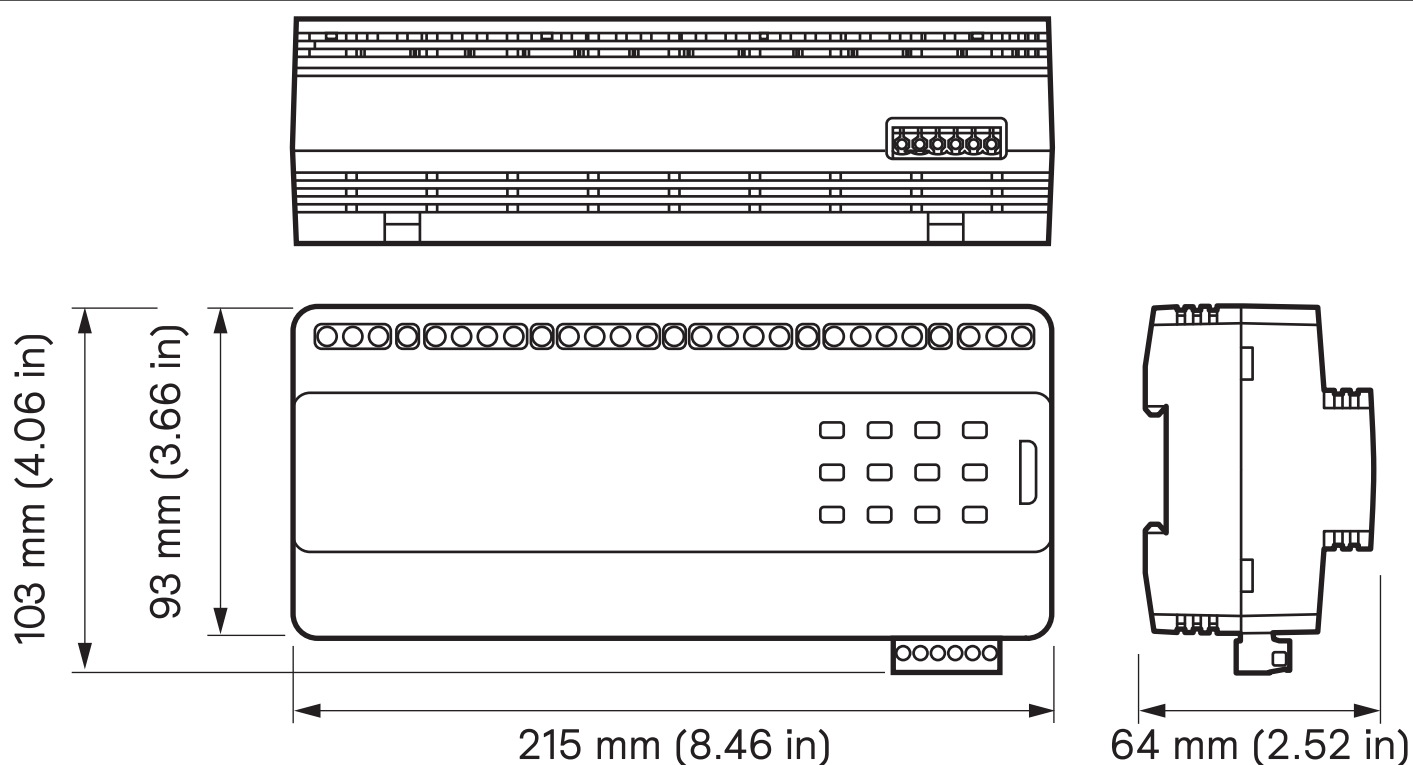
Multi-protocol control solution

The Dynalite DDBC1200 includes 12 independent output channels, each selectable to DALI Broadcast or 0-10 V control.

Key Features

- **Multiple protocols supported** – Compatible with a range of fittings and devices including: DALI drivers (broadcast mode only), DALI electronic low voltage transformers (broadcast mode only), 0-10 V drivers, and devices that require 0-10 V analog control signals.
- **Inbuilt protocol selection** – Installers can toggle each channel between DALI Broadcast and 0-10 V without the need for commissioning software.
- **Compatible with DALI 209 drivers** – Provides control of tunable white and RGBWAF luminaires.
- **LED status indicators** – Instant visual feedback on channel status of all 12 outputs.
- **Flexible mounting** – DIN rail mounting clips designed for installation into the distribution board supplying power to the controlled lighting circuits.
- **Inbuilt diagnostic functionality** – Device Online/Offline and individual control channel status indicators

Dimensions



Specifications

Electrical	
Supply Type	Single-Phase
Supply Voltage	100-277 VAC
Supply Current	0.5 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	300 mA
IEC Overvoltage Category	III

Control	
Communication Ports	1 x RS-485
Supported Protocols	DyNet DMX Rx
DMX Rx Channels	12
Control Channel Outputs	12 (DALI Broadcast, 0-10 V) (Supports DALI 209 TW and RGBWAF)
Dry Contact Inputs	1 (AUX / UL 924)
User Controls	1 x service switch 12 x channel override
Indicators	1 x diagnostic LED 12 x channel status LED
Diagnostic Functions	Device online/offline status

Physical	
Dimensions	93 x 215 x 64 mm (3.66 x 8.46 x 2.52 in)
Packed Weight	0.54 kg (1.19 lb)
Construction	Polycarbonate DIN rail enclosure (12 unit)
Serial Ports	1 x 6-way pluggable screw terminal
Serial Port Conductor Size	0.3-2.5 mm² (#22-12 AWG)
Control Terminals	12 x 2-way screw terminal
Control Terminal Conductor Size	≤5 mm² (#10+ AWG)
Supply Terminals	3 x screw terminal
Supply Terminal Conductor Size	≤5 mm² (#10+ 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	For indoor installation only

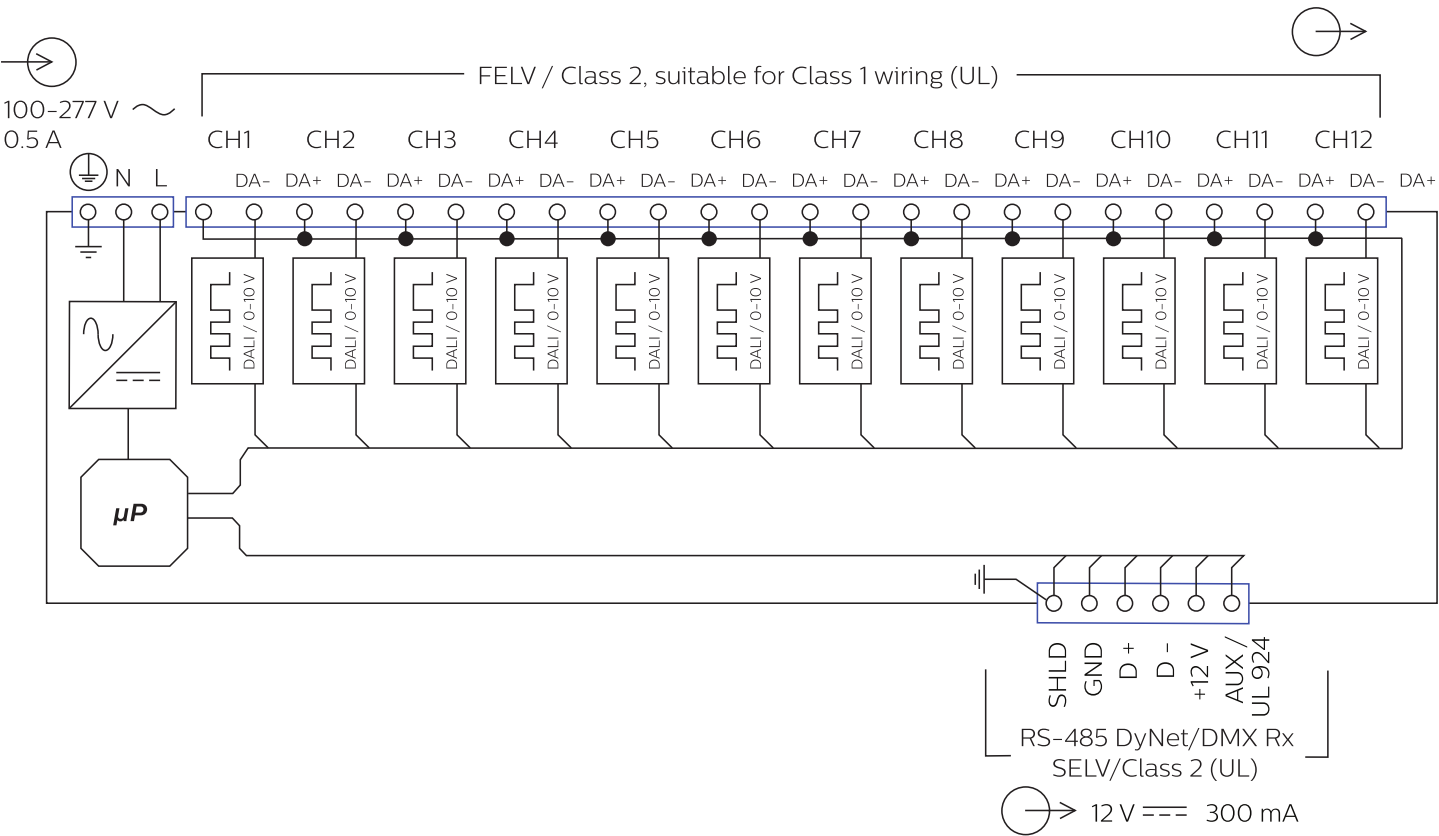
Compliance	
Certifications	CE, RCM, UL/cUL, FCC, ISED, UKCA, RoHS



Control Channel Ratings

DALI Broadcast	
Guaranteed Current	160 mA
Maximum Current	250 mA
Maximum Drivers/Channel	80
Maximum Drivers/Device	300
Insulation	Basic
0-10 V	
CH1-12	Sink/Source: 50 mA
CH2,4,6,8,10,12 ONLY	Sink/Source: 100 mA (if CH 1,3,5,7,9,11 unused)

Electrical Drawing



Ordering Codes

Product	12NC
DDBC1200	913703372009

Policies and Notices

Specific Data Notice

This Specific Data Notice applies to the Controllers as specified in this product specification sheet (the "**Controller**") 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 Controller.

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 Controller can generate the Data as specified below:

- Operational Data: Lighting control commands based on the configured control logic in the product via the DyNet network
- Sensor Data: This product does not generate any sensor data.

The type and volume and format of Data that is generated depends on the actual devices connected to the Controller, 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 cannot be accessed directly from the Controller. 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.