

DDBC1200

Signal Dimmer Controller



Specification Sheet

Controllers > DALI Controllers



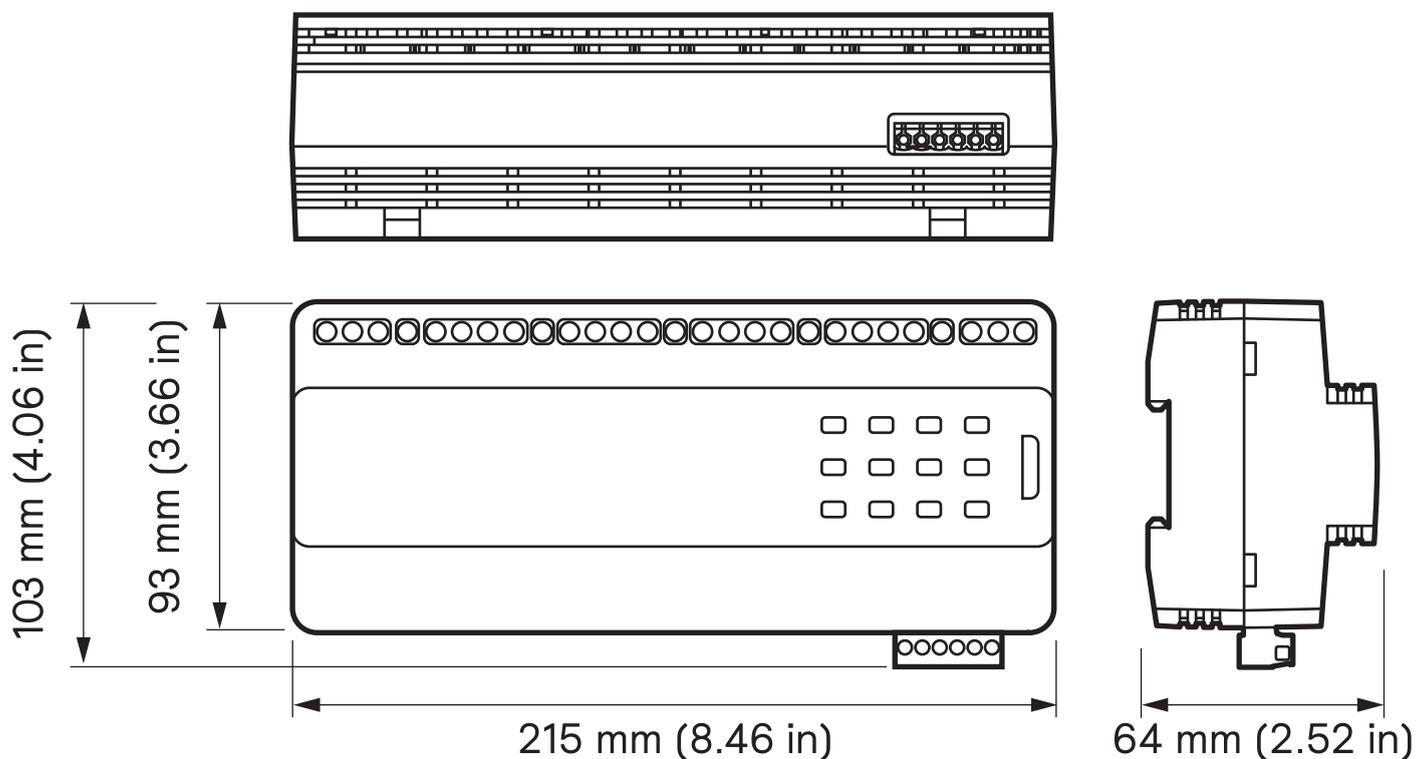
Multi-protocol control solution

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 tuneable white 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 Tuneable White)
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 mm ² (#22-12 AWG)
Control Terminals	12 x 2-way screw terminal
Control Terminal Conductor Size	≤5 mm ² (#10+ AWG)
Supply Terminals	3 x screw terminal
Supply Terminal Conductor Size	≤5 mm ² (#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

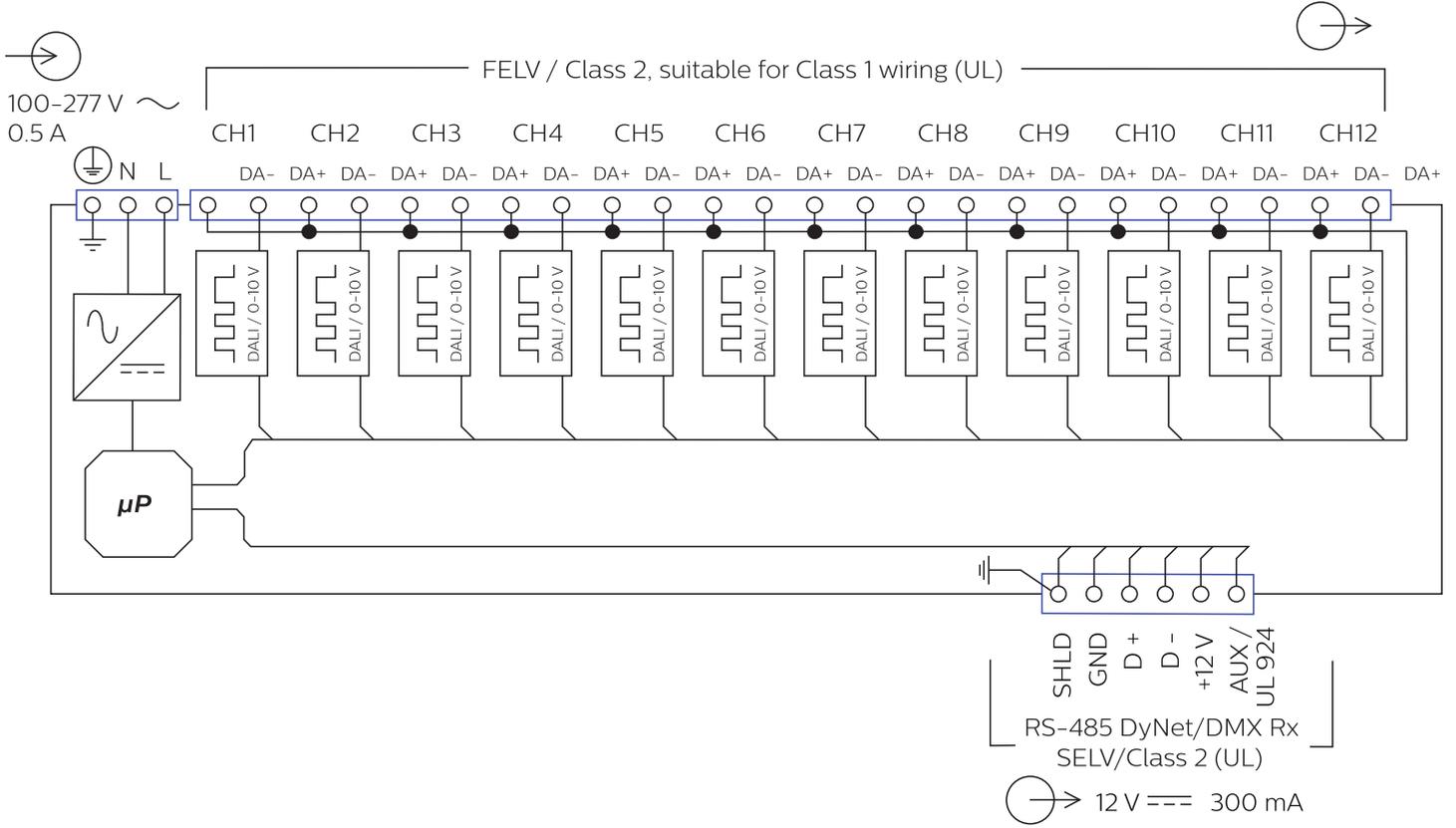
Compliance	
Certifications	CE, RCM, UL/cUL, FCC, ISED, UKCA, RoHS



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 (CH 1,3,5,7,9,11 not used for 0-10 V)

Electrical Drawing



Ordering Codes

Product	12NC
DDBC1200	913703372009