DDBC1200

Signal Dimmer Controller
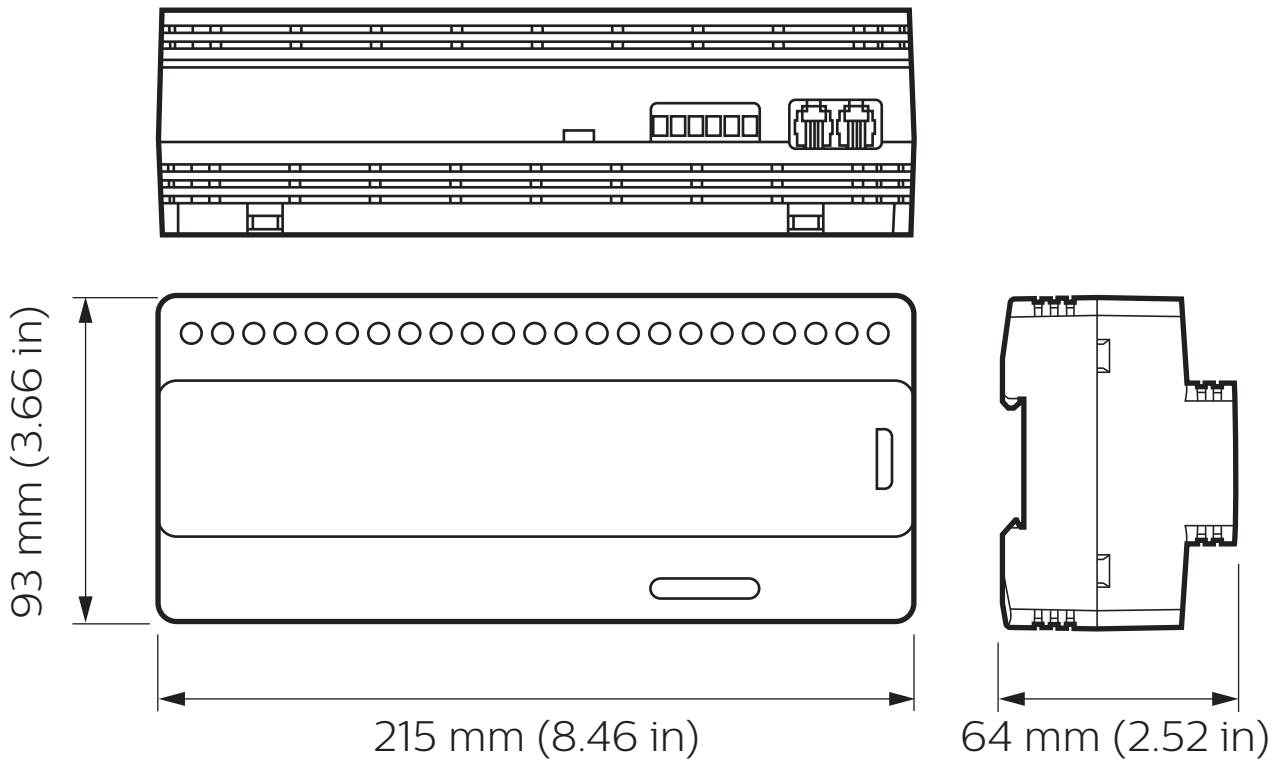
Multi-protocol control solution

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

DDBC1200
Multi-protocol control solution

- **Multiple protocols supported** – Compatible with a range of fittings and devices including; DSI drivers, DSI electronic low voltage transformers, 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.

- **LED status indicators** – Instant visual feedback on channel status of all 12 outputs.

- **Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled lighting circuit.

- **Inbuilt diagnostic functionality** – Features Device Online/Offline status indication.

Dimensions

93 mm (3.66 in)

215 mm (8.46 in)

64 mm (2.52 in)

Specifications

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

DDBC1200
Signal Dimmer Controller

Electrical

Supply Type	Single-Phase
Supply Voltage	100-240 VAC
Supply Current	0.5 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	200 mA
IEC Overvoltage Category	III

Control

Serial Ports	1 x RS-485
Supported Protocols	DyNet DMX Rx
DMX Rx Channels	12
Control Channel Outputs	12 (DALI Broadcast, DSI or 0-10 V)
Dry Contact Inputs	1 (AUX)
User Input	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 (H x W x D)	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	2 x RJ12 1 x 6-way pluggable screw terminal
Serial Port Conductor Size	2.5 mm^2 (#12 AWG) (max)
Supply Terminals	3 x screw terminal Line, Neutral, Earth
Supply Terminal Conductor Size	5 mm^2 (#10 AWG) (max)
Control Terminals	12 x 2-way screw terminal DA-, DA+
Control Terminal Conductor Size	5 mm^2 (#10 AWG) (max)

Environment*

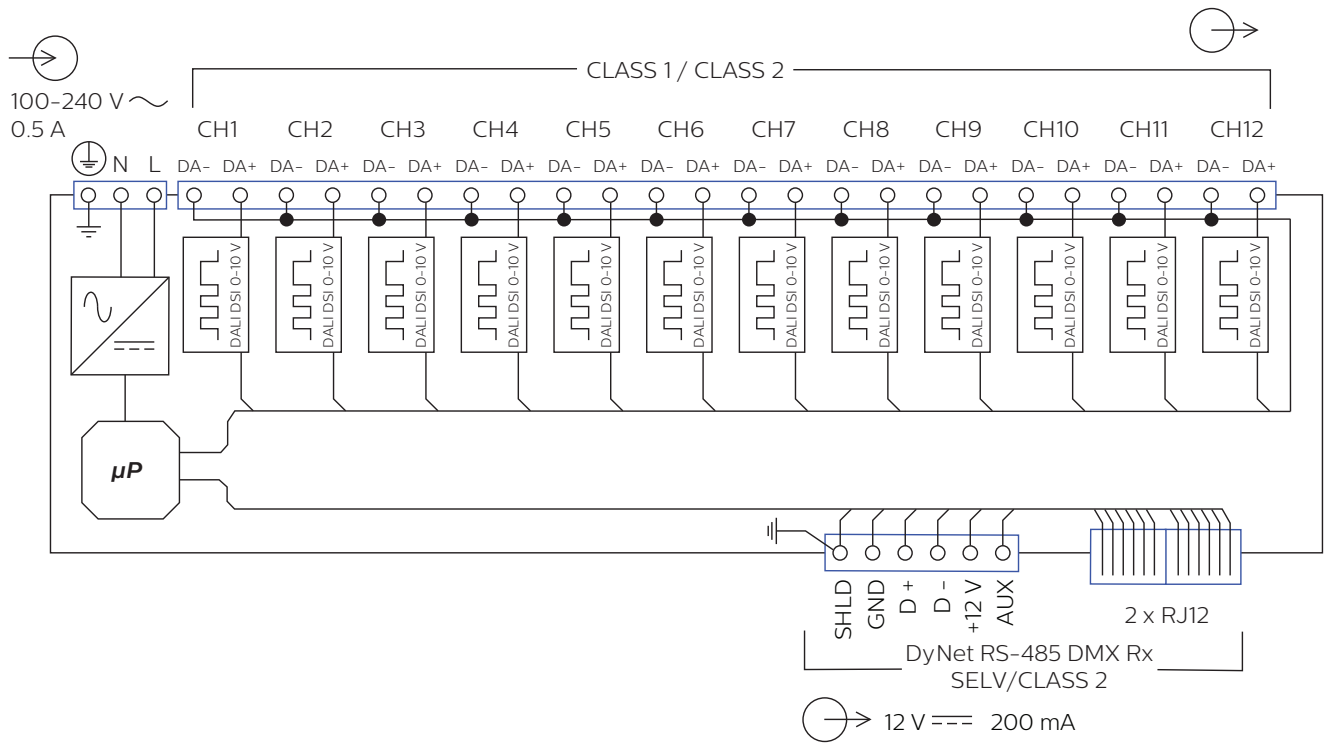|	
Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES, UKCA, RoHS

* For indoor installation only

Electrical

Control Channel Ratings

DALI/DSI	Channel	Device
Output Voltage	14 VDC	
Guaranteed Current	160 mA	
Maximum Current	250 mA	
Maximum DALI Drivers	80	300
Maximum DSI Drivers	80	300
Insulation	Basic	

1–10 V	Channel
Current	sink 50 mA source 50 mA

Ordering Code

Product	Philips 12NC
DDBC1200	913703333909