

DLE410

Leading Edge Dimmer Controller

Compact wall mount direct dimming for a range of lighting loads

The Philips Dynalite DLE410 is a four-channel leading edge dimmer controller, with a maximum load of 10 A per channel. It is suitable for use with incandescent, neon and selected fluorescent light sources, as well as iron core and leading edge electronic transformers.

Supplied by:

The Lightmoves logo features the word 'lightmoves' in white with a rainbow-colored dot over the 'o', and the tagline 'illuminating ideas' below it. Contact information for Melbourne and Sydney is provided, along with an email address and website URL.

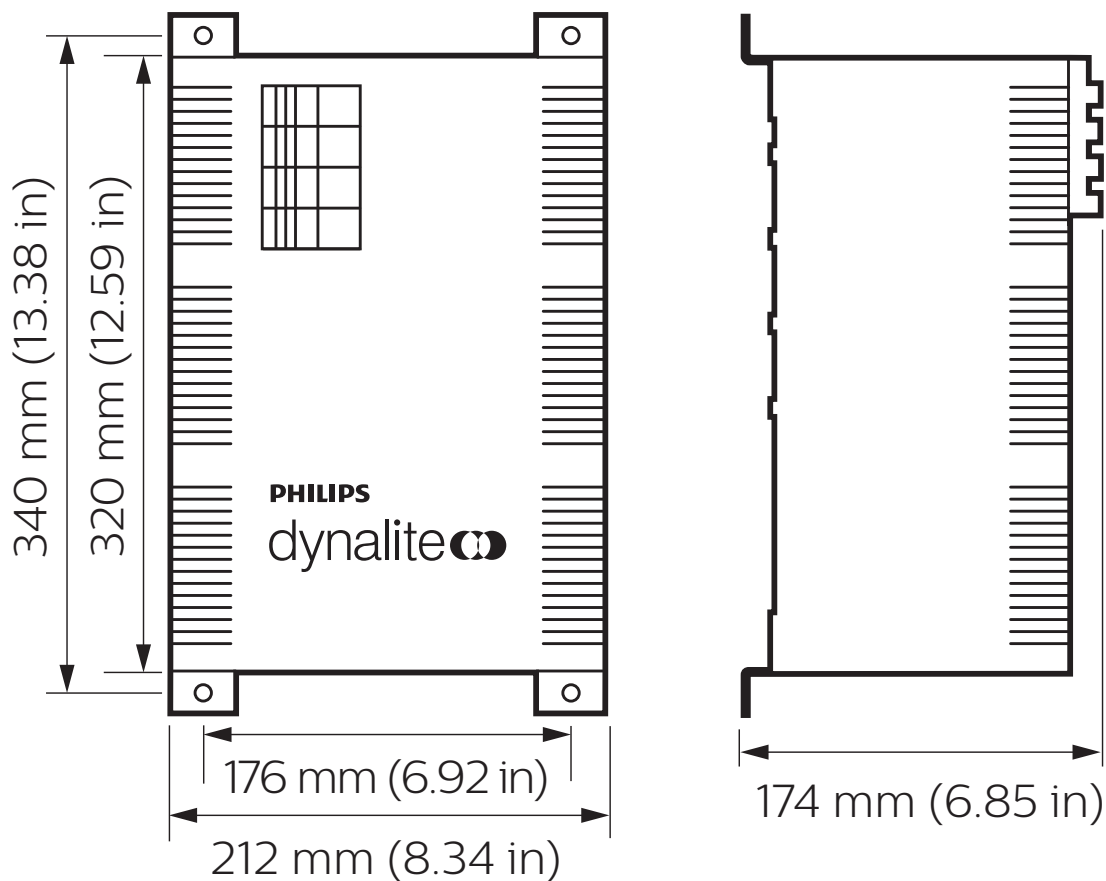
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Compact wall mount direct dimming for a range of lighting loads

- **Ideal for applications where multiple user settings are required** – Provides robust control in situations where a small number of lighting circuits require control.
- **Interference suppression** – Iron powder core toroidal choke lessens effects of interference from other equipment, such as transformers.
- **Naturally ventilated** – Requires no forced cooling or maintenance.
- **Soft start and voltage regulation technologies** – Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.
- **Diagnostic functionality** – Device Online/Offline status reporting.
- **User controls** – Incorporates service override switch – all channels to 100%, a diagnostic LED and hardware bypass switches for each channel.
- **Options available** – Includes an additional RS-485 DyNet/DMX512 port, and earth leakage and overload protection on each channel.

Dimensions



Specifications

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



DLE410 Leading Edge Dimmer Controller

Electrical

Supply Type	Single-phase
Supply Voltage	230 VAC (±14%)
Supply Current	40 A
Outputs	4 x Leading edge dimming
Output Channel Current	10 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	200 mA
Power Conditioning	Regulated outputs Overvoltage protection Surge protection Brownout / Sag protection Spike protection Soft start 16 bit fade resolution (65,536 steps)
Electrical Protection	4 x 10 A circuit breakers (single-pole thermal magnetic, 6 kA surge)
Regulating Device	Triac (40 A nom., 600 V, 400 A surge)
Interference Suppression	Iron powder toroidal choke
Rise Time	100 µS
IEC Overvoltage Category	III

Control

Serial Ports	1 x RS485
Supported Protocols	DyNet DMX Rx
DMX Rx Channels	4
Dry Contact Inputs	1 (AUX)
Diagnostic Functions	Device online/offline status
User Controls	1 x service switch 4 x output channel override
Indicators	1 x service LED

Physical

Dimensions (H x W x D)	340 x 212 x 174 mm (13.38 x 12.59 x 6.85 in)
Packed Weight	8.8 kg (19.4 lb)
Construction	Alloy/steel wall mount case Epoxy finish
Mains Cable Entry	7 x Ø 25 mm knockout
Data Cable Entry	1 x Ø 25 mm knockout
Serial Ports	1 x RJ12 1 x 6-way screw terminal
Serial Port Conductor Size	2.5 mm ² (#12 AWG) (max)
Supply Terminals	2 x screw terminal (Line, Neutral)
Supply Terminal Conductor Size	10 mm ² (#6 AWG) (max)
Load Terminals	4 x screw terminal
Load Terminal Conductor Size	5 mm ² (#10 AWG) (max)
Earth Bar Terminals	5 x screw terminal
Earth Bar Terminal Conductor Size	1 x 16 mm ² (#6 AWG) (max) 4 x 5mm ² (#10 AWG) (max)

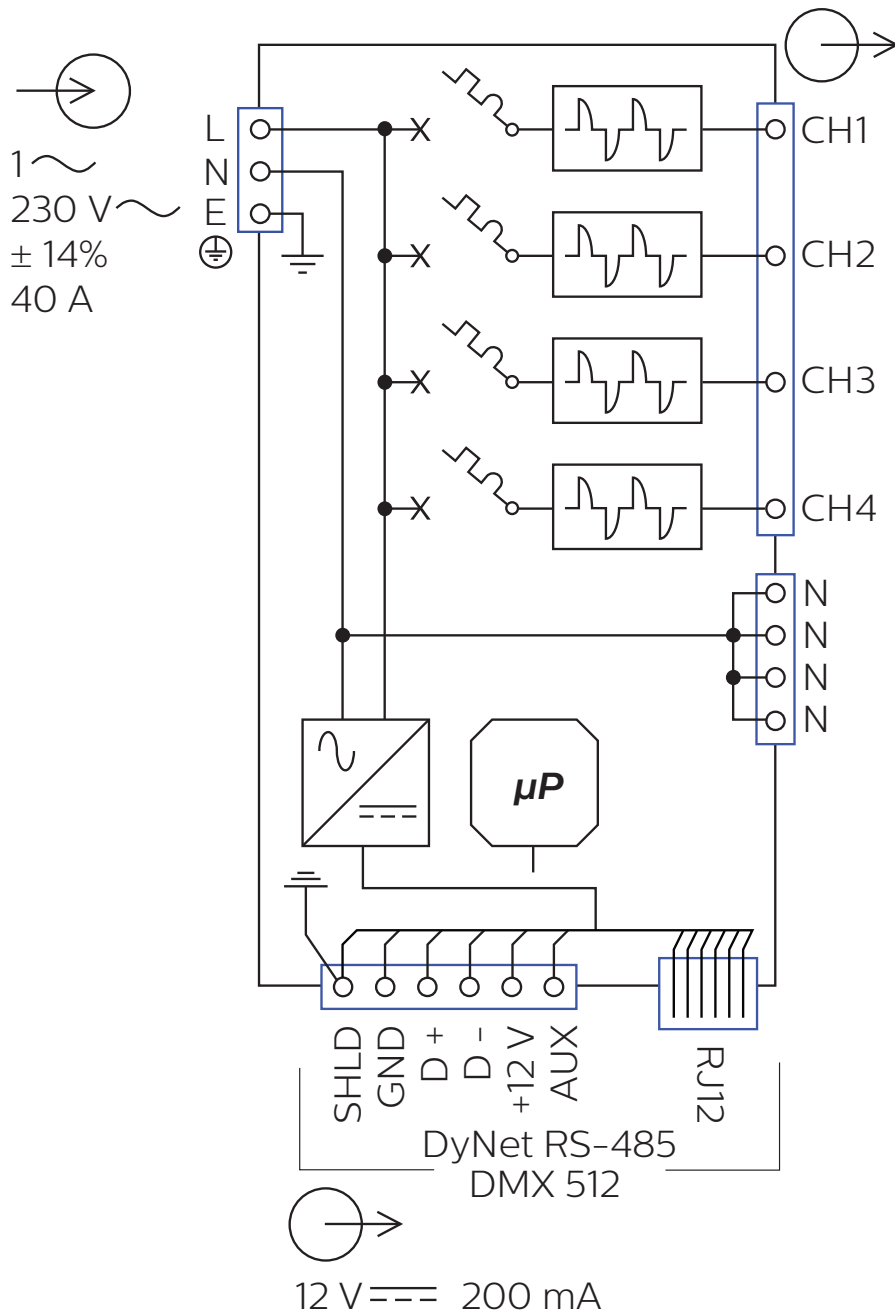
Environment

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

Compliance

Certification	CE, RCM, RoHS
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Electrical



Ordering Code

Product

Philips 12NC

DLE410 (Standard)	913703006009
DLE410-A (Additional RS-485 DyNet/DMX512 port)	913703006109
DLE410-RCBO (Earth leakage/overload protection)	913703006709
DLE410-A-RCBO (Dual port & RCBO)	913703006909

