

DLE1210GL

Leading Edge Dimmer Controller

Control a range of loads in applications requiring reliability and large power handling

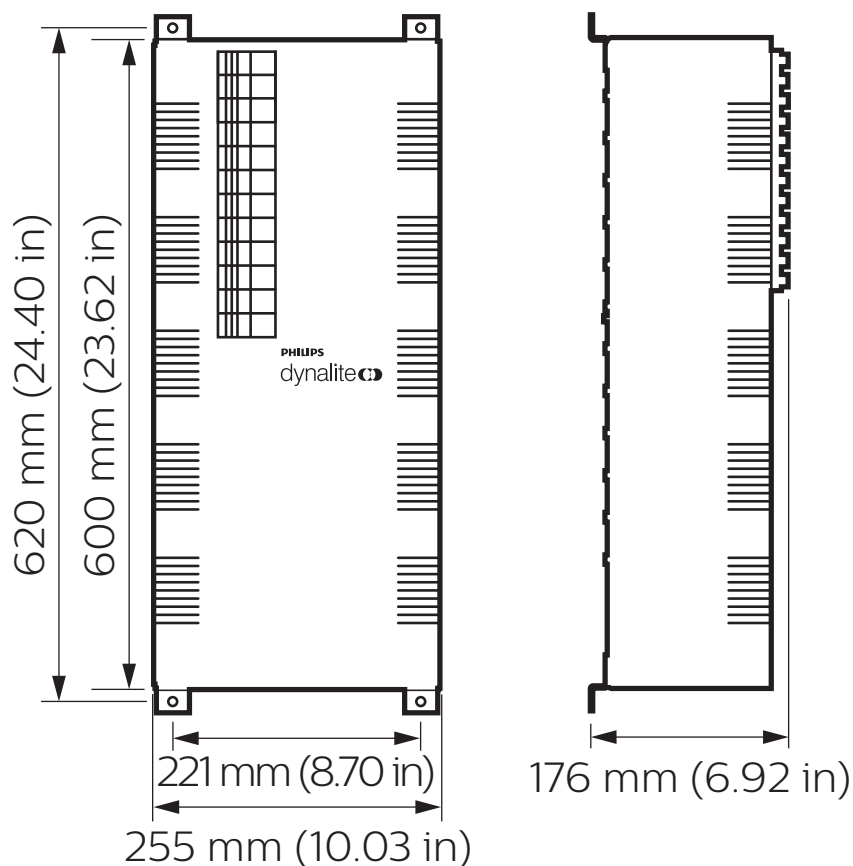
The Philips Dynalite DLE1210GL is a 12-channel leading edge dimmer controller, with a maximum load per channel of 10 A and total device load of 75 A. It is suitable for use with incandescent, neon and selected fluorescent light sources, as well as iron core and leading edge dimmable electronic transformers.

DLE1210GL

Control a range of loads in applications requiring reliability and large power handling

- **Large load capability** – Ideal for applications that require reliability combined with large power handling.
- **DMX512 compatibility** – Perfect for use in theaters, shopping centers and auditoria.
- **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 and three phase indicator LED. Hardware bypass switches are provided for each channel.
- **Option available** – Earth leakage and overload protection on each channel.

Dimensions



Specifications

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



DLE1210GL

Leading Edge Dimmer Controller

Electrical

| | |
|--------------------------|---|
| Supply Type | Single-phase Three-phase |
| Single-Phase Supply | 230 VAC (±14%) @ 63 A |
| Three-Phase Supply | 230 / 400 VAC (±14%) Δ @ 25 A/phase |
| Backup CPU Supply | 12 VDC @ 1 A (SELV / Class 2) |
| Outputs | 12 x Leading edge dimming |
| Output Channel Current | 10 A |
| Maximum Device Load | 75 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) Active phase angle firing compensation |
| Electrical Protection | 12 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 @ 230 V |
| IEC Overvoltage Category | III |

Control

| | |
|----------------------|--|
| Serial Ports | 1 x RS485 1 x DMX |
| Supported Protocols | DyNet DMX Rx |
| DMX Rx Channels | 12 |
| Dry Contact Inputs | 1 (AUX) |
| Diagnostic Functions | Device online/offline status |
| User Controls | 1 x service switch 12 x output channel override |
| Indicators | 1 x service LED 3 x phase indicator LED |

Physical

| | |
|-------------------------------------|--|
| Dimensions (H x W x D) | 620 x 255 x 176 mm (24.41 x 10.04 x 6.93 in) |
| Packed Weight | 18.0 kg (39.68 lb) |
| Construction | Alloy/steel wall mount case Powder coat finish |
| Mains Cable Entry | 6 x Ø 25 mm knockout on enclosure 4 x Ø 25 mm knockout on 100 x 50 mm removable gland plate |
| Data Cable Entry | 1 x Ø 25 mm knockout |
| Serial Ports | 2 x RJ12 1 x 6-way screw terminal 1 x 2-way screw terminal |
| Serial Port Conductor Size | 2.5 mm ² (#12 AWG) (max) |
| Supply Terminals | 3 x screw terminal (Line 1, Line 2, Line 3) |
| Supply Terminal Conductor Size | 10 mm ² (#6 AWG) (max) |
| Load Terminals | 12 x screw terminal |
| Load Terminal Conductor Size | 5 mm ² (#10 AWG) (max) |
| Earth Bar Terminals | 14 x screw terminal |
| Earth Bar Terminal Conductor Size | 2 x 16 mm ² (#6 AWG) (max) 12 x 5mm ² (#10 AWG) (max) |
| Neutral Bar Terminals | 14 x screw terminal |
| Neutral Bar Terminal Conductor Size | 1 x 16 mm ² (#6 AWG) (max) 13 x 5mm ² (#10 AWG) (max) |

Environment*

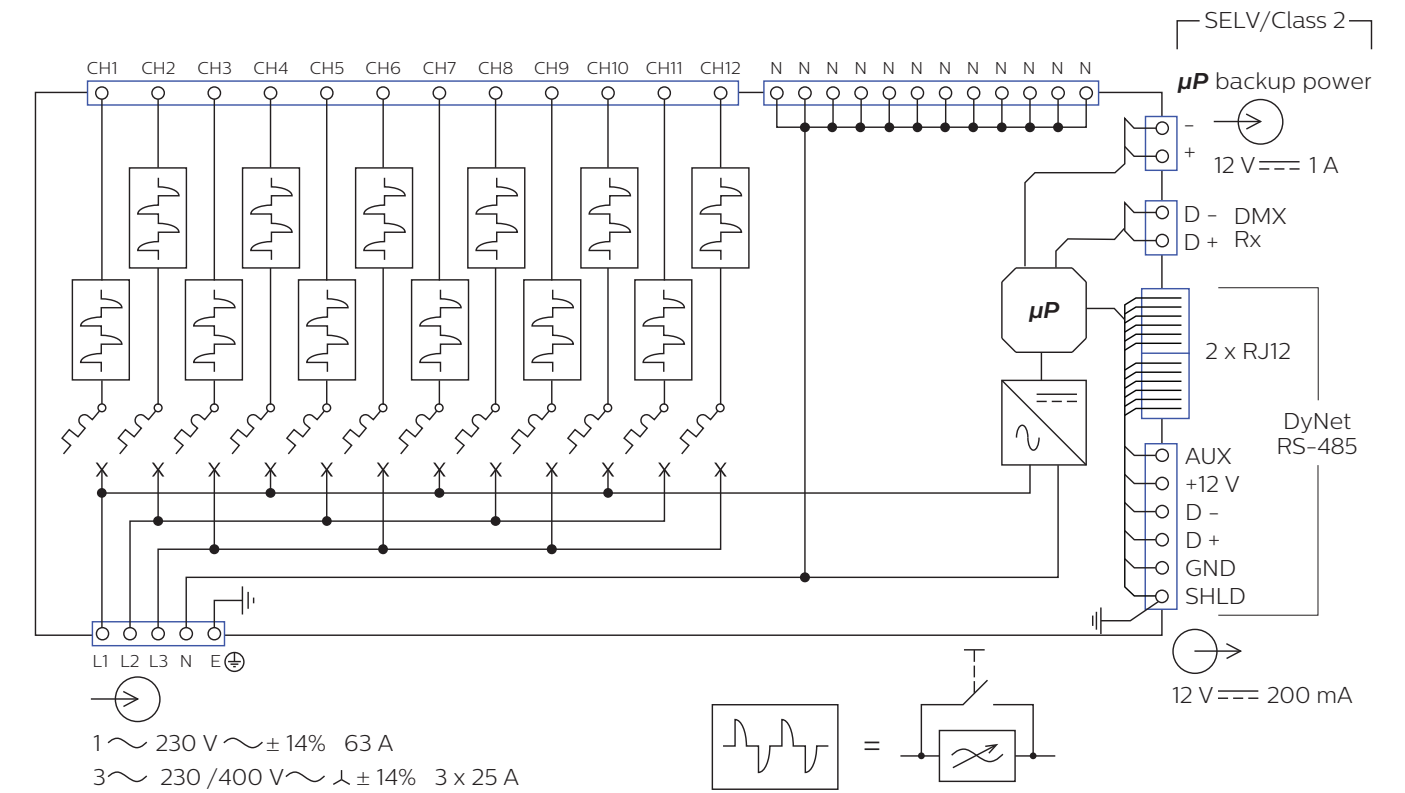
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|-------------------------------|--------------------------------------|
| Operating Temperature | 0° to 40°C ambient (32° to 104°F) |
| Storage/Transport Temperature | -25° to 70°C ambient (-13° to 158°F) |
| Humidity | 0 to 90% non-condensing |
|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

Compliance

| | |
|---------------|---------------------|
| Certification | CE, RCM, UKCA, RoHS |
|---------------|---------------------|

* For indoor installation only

Electrical



Ordering Code

| Product | Philips 12NC |
|--|--------------|
| DLE1210GL (Standard) | 913703014009 |
| DLE1210GL-RCBO (Earth leakage and overload protection) | 913703014409 |



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