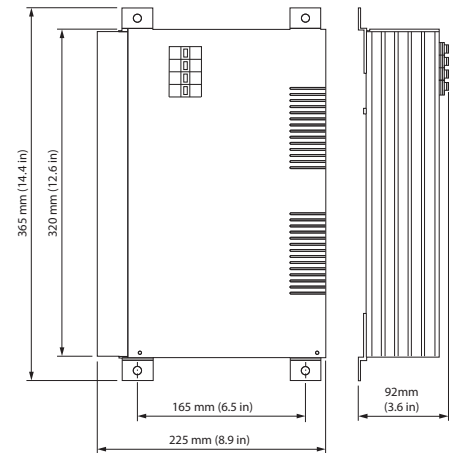# DLE405 Leading Edge Dimmer Controller
## Dimming control for retail and hospitality applications

The DLE405 is a four channel leading edge dimmer controller with a maximum load per channel of 5A. It is suitable for use with incandescent and neon light sources, as well as iron core and leading edge electronic transformers.

- Suitable for small retail and hospitality applications — 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% and a diagnostic LED.

- Options available — Including an additional RS485 DyNet/DMX512 port, circuit breaker trip reporting, neutral disconnect breakers or earth leakage and overload protection on each channel.
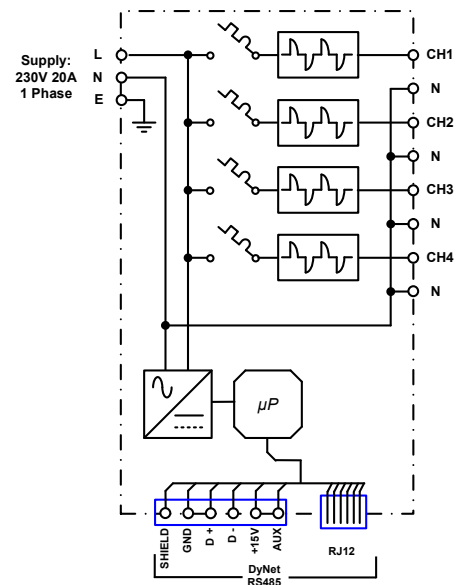
For detailed product information, please refer to the product information pages at www.philips.com/dynalite and follow the links.

365 mm (14.4 in)
320 mm (12.6 in)
165 mm (6.5 in)
225 mm (8.9 in)
92mm (3.6 in)

**PHILIPS**

dynalite

## Specifications

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

| Item | Specification | Details |
|---|---|---|
| Electrical | Input Voltage | 230 VAC ±14% 50 / 60 Hz Single Phase @ 20 A |
| | DyNet DC Supply | 12 VDC @ 120 mA (supply for approx 6 user interfaces) |
| | Outputs | 4 x dimmed outputs leading edge phase control @ 5 A. |
| | Protection | 4 x 6 A 6 kA single pole thermal magnetic circuit breakers |
| | Regulating Device | Triac - 40 A nom., 600 V, 400 A surge |
| | Power Conditioning | Regulated outputs<br>Over voltage protection<br>Surge protection<br>Brownout / Sag protection<br>Spike protection<br>Soft start<br>16 bit fade resolution (65,536 steps) |
| | Interference Suppression | Iron powder toroidal choke |
| Control | Control Inputs/Outputs | One RS-485 DyNet serial port<br>One programmable dry contact AUX input |
| | User Controls | Service override switch - all channels to 100%<br>Diagnostic LED |
| | Preset Scenes | 170 |
| | Diagnostic Functions | Device online/offline status |
| Physical | Supply Terminals | Line, Neutral<br>2 x 4 mm² max conductor size |
| | Output Terminals | Line, Neutral for each channel<br>2 x 4 mm² max conductor size<br>Earth link bar provided |
| | Cable Entries | Mains - 1 x 75 mm x 53 mm removable gland plate<br>Data - 1 x 25 mm dia. knockout |
| | Cooling System | Naturally ventilated, no forced cooling, no maintenance |
| | Dimensions (H x W x D) | 320 mm x 225 mm x 92 mm (12.6" x 8.9" x 3.6") |
| | Packed Weight | 4.2 kg |
| | Construction | Alloy / Steel wall mount case with epoxy finish |
| | Operating Conditions | Temperature:  -0 to 40° C ambient<br>Humdity:  0 to 95% non-condensing |
| | Storage & Transport | Temperature:  -25 to 60° C ambient<br>Humidity:  0 to 90% non-condensing |
| Certification | Certification | CE, C-Tick |
| Options & Ordering | Standard Product | DLE405 (Philips 12NC - 913703004009) |
| | Extra DyNet / DMX512 Port | DLE405-A (Philips 12NC - 913703004109) |
| | Circuit breaker trip reporting | DLE405-BT (Philips 12NC - 913703004209) |
| | Neutral disconnect breakers | DLE405-ND (Philips 12NC - 913703004409) |

## Electrical Diagram



CE

DLE405 Nov-14