

The DLE405 is a 4 channel energy management controller with a maximum load per channel of 5A. It is suitable for use with incandescent, low voltage, neon and selected fluorescent lighting. Where retail merchandise is on display, the DLE405 protects low voltage lamps and dramatically increases lamp life. This is achieved through Philips Dynamalite's superior voltage regulation and soft start technologies.

technical data >>>



**Supply**

230V ±14% 50/60Hz Single Phase at 20A

**Outputs**

4 x dimmed outputs (leading edge phase control) at 5A

**Protection**

4 x 6A 6kA single pole thermal magnetic circuit breakers

**Regulating Device**

Triac 600V 40A nom. 400A surge

**Power Conditioning**

- Regulated outputs
- Over voltage protection
- Surge protection
- Brownout/Sag protection
- Spike protection
- Soft start
- 16 bit Fader resolution (65536 steps)

**Cooling System**

Naturally ventilated, no forced cooling, no maintenance

**Interference Suppression**

Iron powder toroidal choke

**Control IO**

- 1 x RS485 DyNet serial port
- 1 x programmable dry contact AUX input

**User Controls**

- Service Over-ride switch - All channels to 100%
- Diagnostic LED

**DyNet DC Supply**

12V @ 120mA (supply for approx. 6 panels)

**Preset Scenes**

170

**Supply Terminals**

Line, Neutral  
2 x 4mm<sup>2</sup> max conductor size

**Output Terminals**

Line, Neutral for each channel  
2 x 4mm<sup>2</sup> max conductor size  
Earth Link bar provided

**Cable Entries**

Mains – 1 x 75mm x 53mm removable gland plate  
Data – 1 x 25mm dia. knockout

**Diagnostic Functions**

Device Online/Offline status

**Compliance**

CE, C-Tick

**Operating Environment**

0° to 40°C ambient temperature  
0% to 95% RH non condensing

**Construction**

Alloy/Steel wall mount case with epoxy finish

**Dimensions**

H 320mm x W 225mm x D 75mm  
(excludes wall brackets)

**Weight**

Packed weight 4.2kg

load compatibility >>>

Incandescent  
Neon

Iron core transformers  
Leading edge electronic transformers

options >>>

Circuit breaker trip reporting **-BT**  
Extra RS485 DyNet/DMX512 port **-A**

Earth leakage and overload protection on each channel **-RCBO**  
(note larger enclosure)

electrical diagram >>>

mounting dimensions >>>

