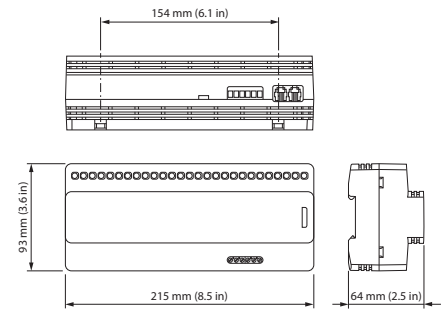




DDLE801 Leading Edge Dimmer Controller

Superior LED dimming technology

The DDLE801 supports eight channels of leading edge dimming at 1A per channel. It is suitable for use with incandescent lighting, as well as leading edge compatible magnetic and electronic transformers. Advanced LED dimming technology makes the unit particularly suited to residential and hotel room applications.



- Active Load technology on each channel — Dramatically improves LED dimming stability through detection of supply fluctuations and application of control compensation.
- Soft start and voltage regulation technologies — Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.
- Superior internal drive componentry tuning — Removes issues of “clipping” that are normally associated with leading edge dimmers controlling LED lamps.
- Flexible mounting solution — A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.

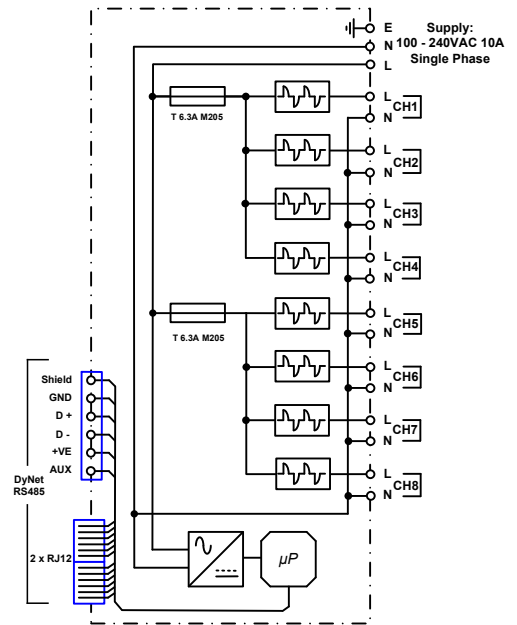
For detailed product information, please refer to the product information pages at www.philips.com/dynalite and follow the links.

Specifications

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

Item	Specification	Details
Electrical	Input Voltage	100 - 240 VAC 50 / 60 Hz Single Phase @ 10 A
	DyNet DC Supply	15 VDC @200 mA (supply for approx 8 user interfaces)
	Outputs	8 x dimmed outputs leading edge phase control @ 1 A Maximum device load is 8A
	Protection	1 x internal 6.3 A time delay fuse for a group of 4 output channels
	Regulating Device	Triac - 20 A, 600 V, 200 A surge
	Power Conditioning	Regulated outputs Over voltage protection Surge protection Brownout / Sag protection Spike protection Soft start 16 bit fade resolution (65,536 steps) Active load Active phase angle firing compensation
Control	Control Inputs/Outputs	One DMX512 / RS-485 DyNet serial port One programmable dry contact AUX input
	User Controls	Channel override Service switch Service indicating LED
	Diagnostic Functions	Circuit run time tracking on each channel Device online/offline status
Physical	DyNet Terminations	2 x RJ12 modular jack and six way screw terminals
	Supply Terminals	2 x 2.5mm ² or 1 x 4 mm ² conductor size Line, Neutral, Earth
	Output Terminals	Line, Neutral for each channel 2 x 2.5mm ² or 1 x 4 mm ² conductor size
	Cooling System	Naturally ventilated, no forced cooling, no maintenance
	Dimensions (H x W x D)	93 mm x 215 mm x 64 mm (3.6" x 8.5" x 2.5")
	Packed Weight	0.69 kg
	Construction	Polycarbonate DIN-rail enclosure (12 unit)
	Operating Conditions	Temperature: -5 to 40° C ambient Humidity: 0 to 90% non-condensing
Storage & Transport	Temperature: -25 to 70° C ambient Humidity: 0 to 90% non-condensing	
Certification	Certification	CE, C-Tick
Options & Ordering	Standard Product	DDLE801 (Philips I2NC - 913703061509)

Electrical Diagram



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