PHILIPS

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DDLE801

Leading Edge Dimmer Controller

The DDLE801 supports eight channels at 1A of leading edge dimming, suitable for use with incandescent & leading edge compatible magnetic and electronic transformers.

The DDLE801 utilizes Philips Dynalite's superior voltage regulation and soft start technologies, which protects lamps from over voltage and dramatically increases lamp life. Built into the dimmer unit, it is the most advanced phase cut driving technology to date which allows for dramatic improvements to the stability and range of LED dimming. Incorporating the latest in microprocessor technology, has allowed for advanced algorithms to be used, that can detect fluctuations in supply and make control compensations to filter out what would normally cause LED lamp flicker. The dimmers internal drive componentry has been specifically tuned for LED lamps which removes issues of "clipping" that are normally associated with Leading Edge dimmers when used with LEDs lamp. This LED dimming stability has been achieved by building in Dynalite's Active Load technology into each channel of the DDLE801.

The mix of channel numbers and size combined with the advanced LED dimming features makes the unit perfect for residential, commercial and hotel room applications.

The front panel of the DDLE801 includes a back-lit keypad that provides status indication and local control of individual channels. It also features an LED illuminated service switch for diagnostics. The device is DIN-rail mountable, designed to be installed in a switchboard, ideally next to circuit breaker feeding the unit.

technical data

Supply:
100-240VAC 50/60Hz Single Phase at 10A

Outputs:
8 x dimmed outputs (leading edge phase control) at 1A (230VA) incandescent / 100W LED. Maximum device load is 8A

Protection:
1 x Internal 6.3A time delay fuses per 4 output channels

Regulating Device:
Triac - 20A, 600V, 200A 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

Cooling System:
Naturally ventilated, no forced cooling, no maintenance

Control IO:
1 x RS485 DyNet and DMX512 serial port
1 x AUX programmable dry contact input

User Controls:
Channel override
Service Switch
Service indicating LED

DyNet DC Supply:
15V @ 200mA (supply for approx. 8 panels)

DyNet terminations:
2 x RJ12 modular jack & 6 way screw terminals

Supply Terminals:
1 x 5mm^2 conductor size
Line, Neutral, Earth

Output Terminals:
Line, Neutral for each channel,
1 x 5mm^2 conductor size

Diagnostic Functions:
Circuit run time tracking on each channel
Device Online/Offline status

Compliance:
CE, C-Tick,

Operating Environment:
-5º to 40ºC ambient temperature
0% to 90% RH non-condensing

Storage and Transport:
-25º to 70ºC ambient temperature
0% to 90% RH non-condensing

Enclosure:
Polycarbonate DIN-rail enclosure (12 unit) IP20, UL94-V0 rated

Dimensions:
H 93mm x W 215mm x D 64mm

Weight:
Packed weight 0.73kg

load compatibility

- Incandescent
- Leading edge compatible magnetic and electronic transformers

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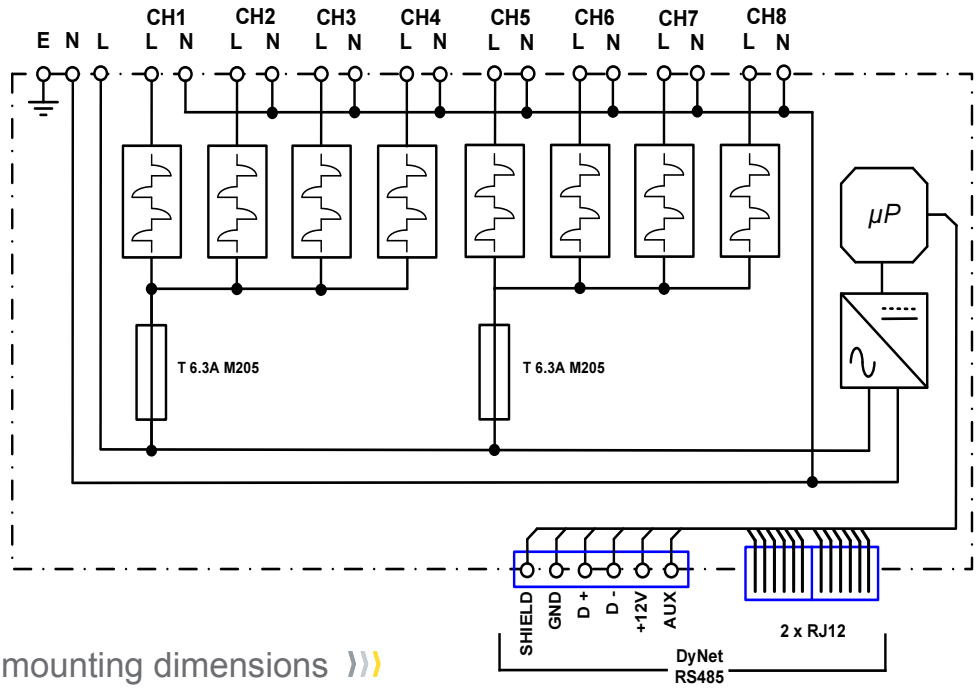
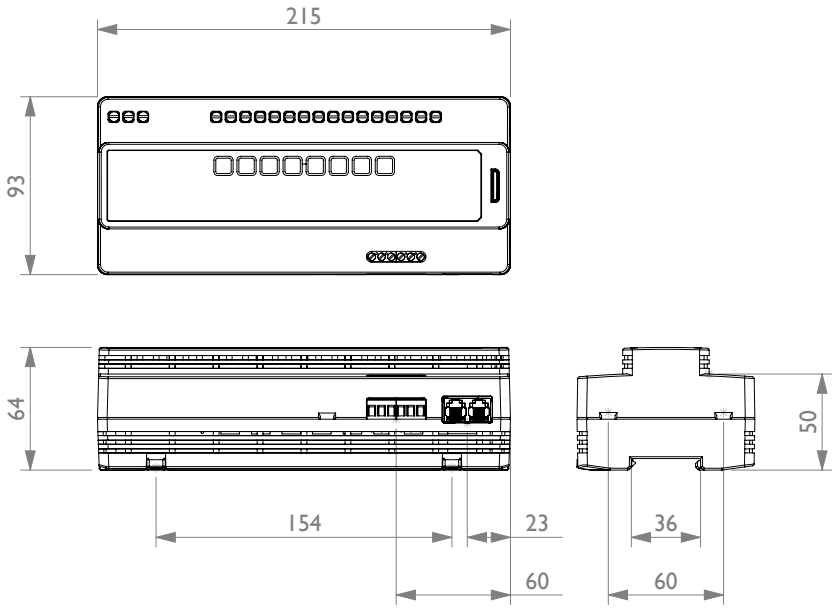
electrical diagram

Supply:
100 - 240VAC 10A
Single Phase



mounting dimensions



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