



LEDixia mini LDX101

0/1-10V controlled dimming driver
12V and 24V constant voltage LEDs

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Product order codes

LDX101



Overview

The LDX101 incorporates Multiload's own patented dimming technology. This technology ensures that a wide range of constant voltage LEDs can be dimmed flicker-free to darkness.

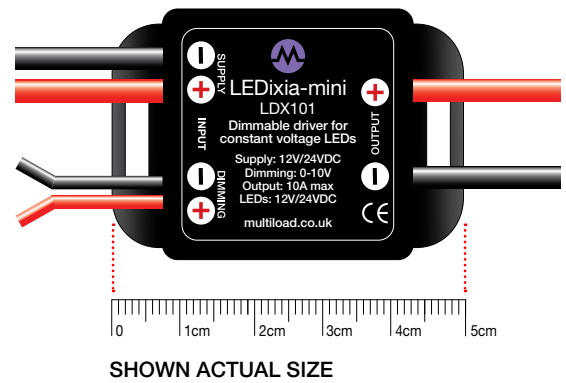
Designed and manufactured in the UK.

Features

- Operates 12V or 24V constant voltage lamps and strips
- 0/1-10 V dimming control (DALI interface available)
- Smooth flicker-free dimming to darkness
- Maximum rating 10A
- Rotary dimming by Multiload RPC module which fits into all plate and grid systems
- Can be positioned up to 20m from the lamps

Note 1: LED lamps and strips are connected in parallel.

Note 2: LED Ixia uses a DC Output Power supply



Technical information

Mechanical

Supplied with fully clamped 200mm flying leads.
Fixing points provided 4 mm diameter

Supply input voltage

12V or 24V DC.

Voltage depends on lamp/strip version being used.

See Notes below.

Output voltage

12V or 24V DC. Depending on the power supply used.

Maximum output current

10A

Minimum output current

Less than 0.1A

Current consumption

Less than 40mA

Humidity

Less than 95%

Ambient temperature range

-10°C – +50°C

Physical data

Weight: 44g

Case material: ABS

Dimensions: W:38mm D:15mm L:50mm including flange

Flange thickness: 3mm

Notes

With all constant voltage installations, whether strips or lamps, the volt drop in the cabling between the power supply and the lamps needs to be considered and cabled appropriately.

The wattage of the Power supply must be at least twice the wattage of the connected load.

A voltmeter will not give accurate reading at the output.



Installation

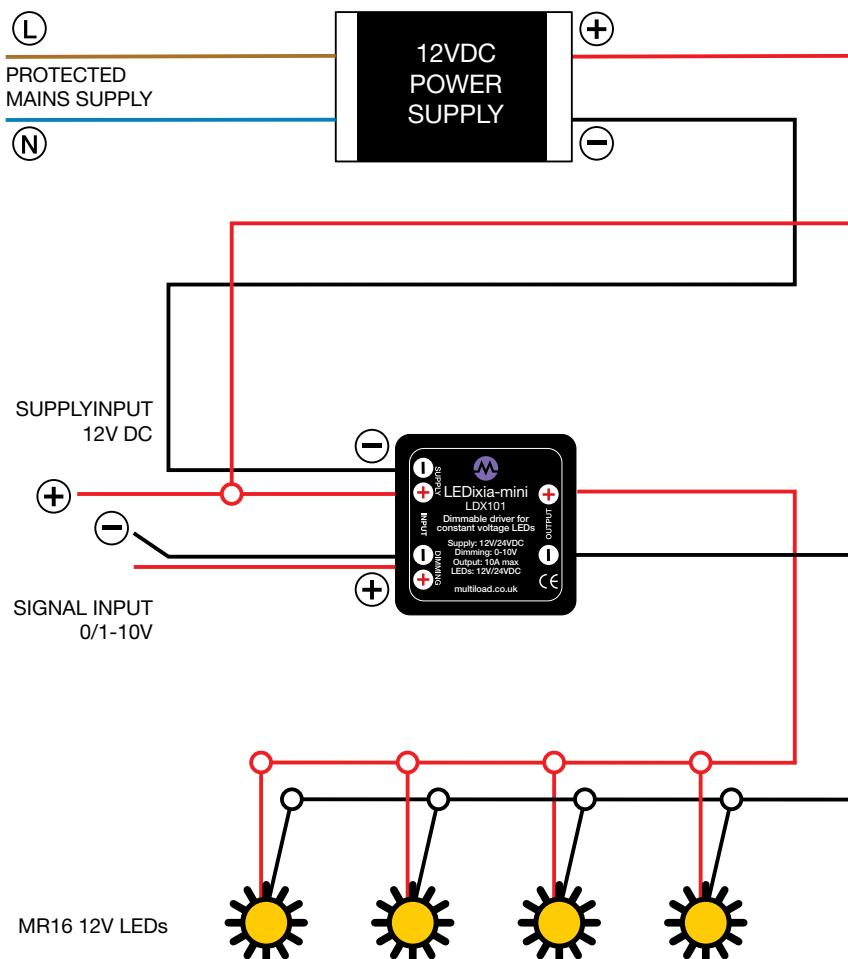
- Installation should be carried out by suitably qualified personnel in accordance with good wiring practice and the appropriate national wiring regulations.
- LEDixia LDX101 is installed by wiring the input power flying leads to the power supply ensuring that polarity of the wiring is maintained. The lamps or strips are to be connected to the output flying leads.
- The dimming input terminals connect to either a (0)/1 – 10V control signal or to a Multiload RPC/RPS rotary module. Full details available in the Techpack on the website under: Products/Rotary Push-control Wall Dimmer RPC (or Rotary Push-switch Wall Dimmer RPS)/Techpack – download pdf.
- Once all the cabling is connected and secure, the power can be switched.
- Please ensure correct polarity of all connections.

Circuit diagrams

The following schematic diagrams are provided:

- 1 LDX101 controlling 12V lamps
- 2 LDX101 controlling a 24V strip (page 4)
- 3 LDX101 controlling a set of four 12V lamps using a 3-core cable (page 4)

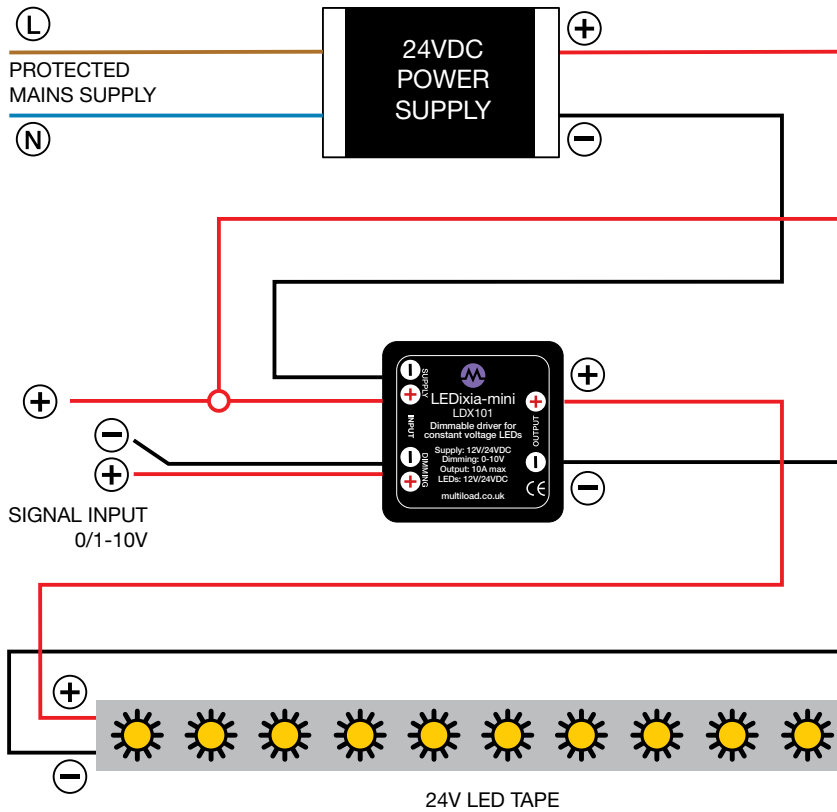
LDX101 controlling a set of four 12V lamps





Circuit diagrams

LEDixia LDX101 controlling a 24V strip



LEDixia LDX101 controlling 12V lamps using a 3-core cable

