

Phase Cut Dimmable Electronic Transformer for AC/DC 12V LED Lamps

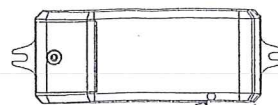
LD0216-K12

MEGAMAN®

Instruction Manual

TECHNICAL SPECIFICATION:

Model Number	LD0216-K12
Input	U _{in} (V)
	220 ~ 240AC, 180~325DC
	F (Hz)
	50/60
	I (mA)
	100
	λ
	>0.7
	T _a
	-30°C ~ +40°C
	T _c Max.
	+85°C
Output	U _{out} (V) with Load
	~11.6
	I (mA)
	1380
	F (Hz) Normal
	55~75K
	Inrush I (A) Max
	~5.5
	Max Efficiency (%)
	84



Tc Point

STANDARDS COMPLIED WITH:

Safety	IEC/EN 61347-1	IEC/EN 61347-2-13
Performance	IEC/EN 62384	
EMC	EN 55015	IEC/EN 61000-3-2
	IEC/EN 61547	IEC/EN 61000-3-3

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CAUTION

- Read the entire manual carefully before installation and putting the unit into operation.
- It is recommended that licensed and qualified electricians perform the installation.
- The MEGAMAN® Phase Cut Dimmable Electronic Transformer for AC/DC 12V LED Lamps complies with the Safety Extra-Low Voltage (SELV) Type II Protection Class.
- This unit is designed for indoor use and is not protected against water or humidity condensation. Install the unit in a well-ventilated location to enhance heat dissipation.
- This electronic transformer can be used with MEGAMAN® AC/DC 12V dimmable LED lamps to retrofit halogen lamps. Dimming performance varies with dimmers; dimming to the 10% brightness level will depend on the specification of the dimmer switch. Please refer to the dimmer compatibility list on the MEGAMAN® website to identify compatible leading edge or trailing edge dimmers for use with this electronic transformer.
- When used with non-dimmable AC/DC 12V LED lamps, the power input of this

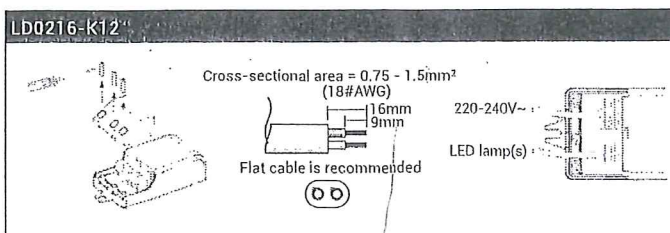
- electronic transformer must be connected directly to the mains supply. DO NOT connect the electronic transformer to dimmers with non-dimmable AC/DC 12V LED lamps connected otherwise both the lamps and the electronic transformer can be damaged.
- Before installation, consider and review the maximum loading force of the luminaire. Avoid applying any instability or mechanical stress to the luminaire.
- The manufacturer accepts no liability for any injury or damage resulting from the incorrect use of the electronic transformer or the use of the electronic transformer in combination with inappropriate devices.
- This lamp control gear does not rely upon the luminaire enclosure for protection against accidental contact with live parts.
- Consult your dealer if you have any enquiries.

ATTENTION

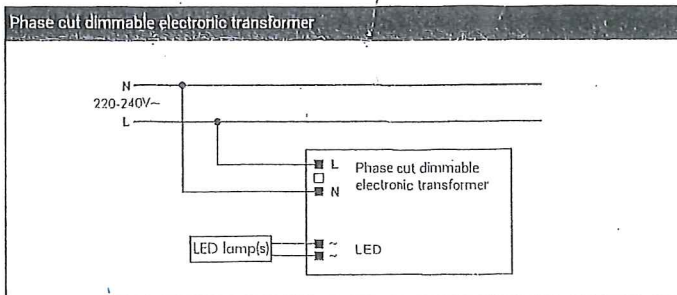
- This electronic transformer supports up to 16W load consists of MEGAMAN® AC/DC 12V dimmable LED lamps, for example, it works with either one 15W LED dimmable AR111 or two 8W LED dimmable MR16. It can only support up to 12W MEGAMAN® non-dimmable LED lamps, such as six 2W LED G4 or two 5W LED MR16 MEGAMAN® AC/DC 12V LED lamps. All lamps shall be connected in parallel operation. There is no polarity concern.
- Output overcurrent and short circuit protected. Auto-recovery after fault condition is removed.
- Operating efficiency is most optimal at the rated output power.
- It is recommended that the mains power supply is taken from a Mains Circuit Breaker or Mains Fuse Circuit with suitable ratings to protect against incorrect installation or operation.

- Designed for industrial and commercial use.
- Use a 3mm size slot tip screwdriver for installing the input and output wires on the screw terminal.
- Keep AC/DC 12V output wires less than 2 metres long to avoid radio-interference and instability. Install an On/Off switch at the mains input and not at the AC/DC 12V output.
- Avoid arranging input and output wires together; keep them as far away from each other as possible.
- Use solid copper wire of 0.75mm² (minimum) for the input terminal, and 1.5mm² (minimum) for the output terminal.
- Strip the length of wire insulation to expose 9~10mm of metal wires for connection. Please refer to the wiring diagram before installation.

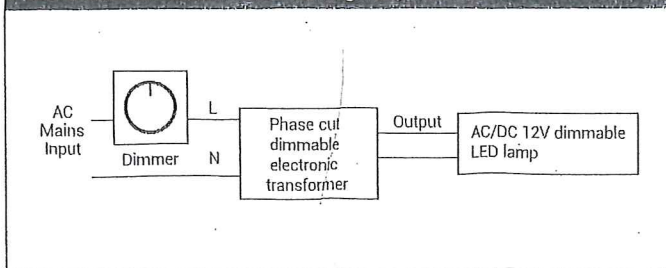
Installation



- Strictly follow the wiring diagram for connecting the LED electronic transformer as shown below:



Phase cut dimmable electronic transformer, single lamp connection

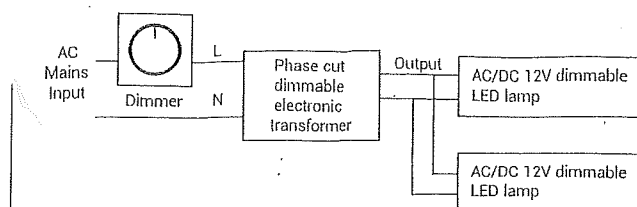


Phase Cut Dimmable Electronic Transformer AC/DC 12V LED Lamps 6-K12

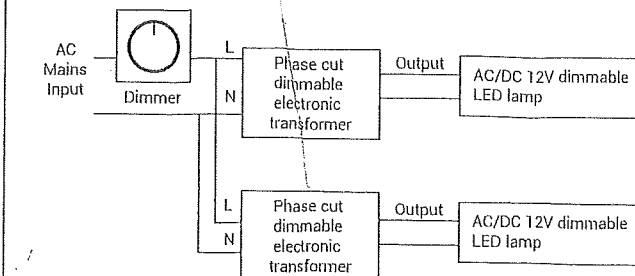
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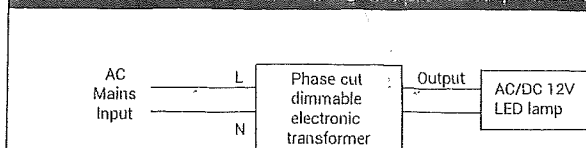
Phase cut dimmable electronic transformer, multiple lamp connection



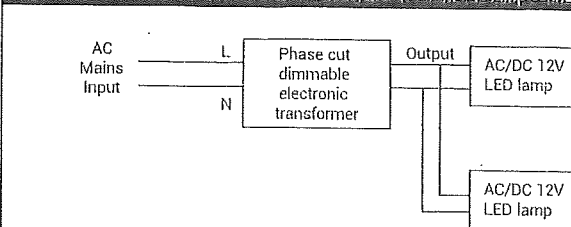
Single dimmer, multiple phase cut dimmable electronic transformer, single lamp connection



Phase cut dimmable electronic transformer, single non-dimmable lamp connection



Phase cut dimmable electronic transformer, multiple non-dimmable lamp connection



*Note : Some dimmers require to connect to both Live and Neutral of the AC Mains Supply. Please refer to the dimmer's instruction manual for details.

Correct Disposal of This Product

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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