Instruction Sheet for Electronic Transformer for Low Voltage Halogen Lamps

Model: ET-REDBACK 60VA/230-240

Applications

The ET-REDBACK transformer is exclusively designed for the use in halogen lamp systems (e.g. tube and rail systems, halogen lamp sets, hanging lamps, ceiling lamps) in **Australia** and **New Zealand.**

An electronic protection circuit switches off the transformer in cases of short circuit, open circuit as well as secondary circuit overload.

Important information for the installation

The unit conforms to the AS/NZS 61347-2-2 and CISR15.

The unit is to be powered by mains voltage (230-240V), hence the connection of the transformer must be carried out by qualified personnel in accordance with the Australian and New Zealand regulations.

Installation Notes:

- This transformer is designed for the use with Low voltage halogen lamps only
- The transformer is only suitable for indoor use.
- A thermal fuse has been built into the transformer, which will cut off the circuit of the transformer in the case of overheating (maximum permissible case temperature t_c is 85°C).
- The diameter of the lamp cables must be 0.75 to 1.50mm^2.
- To avoid RF interfering radiation, the lengths of the supply cables of the lamps must not be more than 2m.
- The overall lamp wattage must be within the values indicated on the transformer (20-60W).

Installation Instructions:

- Connect the lamps to the electronic transformer according to the schematic drawing. The mains cable and the lamp supply cables must not cross each other.
- A minimum mounting distance of 20 cm between the transformer and the halogen lamps has be maintained, to avoid damage caused by heat radiation from the lamps.
- The mounting place must be kept sufficiently ventilated, with the surrounding area maintained clear of any objects (e.g. air conditioning ducts or insulation)
- If the transformer is used for purposes other than originally intended for or it is connected incorrectly, no liability can be taken over for possible damages.

Specifications:

Input voltage:	230-240V~ +6/-10%, 50Hz
DC voltage:	Not permissible
Output voltage:	11.5Vrms
Rated power:	20-60W
Rated current:	0.30A
Case temperature t_c:	Max. 85°C
Open circuit proof:	yes
Short circuit protection:	Yes (auto-restart after short circuit)
Overload protection:	Yes (auto-restart after overload)
Overheating protection:	Yes (by thermal fuse)
Operating frequency:	app. 30 kHz
Primary cable:	TPS max. 2 x 2.5 mm^2
Secondary cable:	0.75 to 1.50 mm^2 (One cable with length 0.2 to 2.0m)