

Important Note to the Installer

These instructions contain important information. Please ensure that a copy is left with the user/maintenance engineer.

Warning

This product should be installed by a competent electrician in accordance with these instructions and the latest edition of the I.E.E. Wiring Regulations (BS 7671) and other relevant regulations (e.g Building, Fire etc).

For use with 12V tungsten halogen lamps in Class III low voltage luminaires only.
Isolate from the mains supply before installation or maintenance.


Installation Instructions

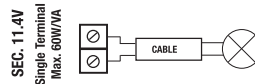
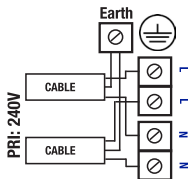
The transformers feature loop-in, loop-out primary wiring terminals and an Integrated Earth Terminal to allow Earth continuity to be maintained in the primary wiring circuit.

The mains supply should be connected to the Primary Input terminals as follows:

Black/Blue - Neutral (terminals marked N)

Red/Brown - Live (terminals marked L)

Green/Yellow - Earth (terminal marked ) No part of the secondary (SELV) circuit should be earthed.



Input Terminals

Dual Live & Neutral terminals allow loop-in, loop-out wiring between transformers. Integrated Earth Terminal allows Earth continuity in the primary wiring circuit.

Output Terminals

Max. 60W/VA - Ensure that the cable current rating is sufficient.

The transformer should be sited in a well ventilated position. Do not enclose or cover the transformer with thermal insulating materials. The ambient temperature during operation must not exceed the t_a °C rating of the transformer.

Keep the transformer away from direct sources of heat such as low voltage lamps (see Figure 1 below).

The transformer may be fitted in the same circuit as inductive loads as it has 1.0KV Surge protection in accordance with EN61547

Do not fit the transformer above the luminaire (see Figure 2 below).

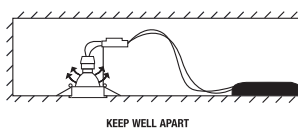
Do not allow the input and output wiring to cross (see Figure 3 below).

The secondary (output) leads must not exceed 2m in length.

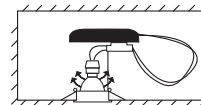
Ensure that the wattage of the lamps does not exceed the rating of the transformer.

Replace failed lamps immediately.

(Figure.1 - CORRECT Installation)

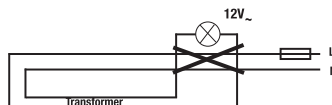


(Figure.2 - INCORRECT Installation)



(Figure.3)

DO NOT CROSS INPUT AND OUTPUT WIRING



Dimming

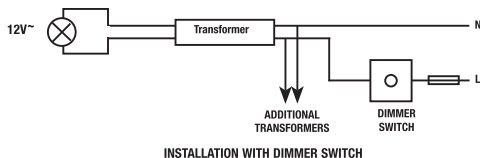
This transformer may be dimmed with most types of standard resistive and inductive dimmer switches.

Install the dimmer switch on the primary (mains) side of the transformer.

A slight buzzing noise is normal with some types of dimmer switch. An increase in transformer noise may be experienced when dimmed.

The dimmer should be loaded to at least 75% of its maximum capacity (refer to the dimmer manufacturers' instructions).

Note: The 60VA transformer requires a minimum load of 20-Watts for normal operation.



Radio Interference

In common with other high frequency convertors this product may cause radio interference.

Under certain circumstances interference may be experienced on the medium and long wave radio bands. Please note that these transformers are suppressed to all relevant EMC standards.

Thermal Protection

The HA-S60TA transformer features an auto-reset thermal switch and will shut down in the event of overheating and re-start when the temperature returns to normal.

When installed, the transformer must have adequate air cooling to prevent overheating. Ensure that there is adequate distance from the lamp to prevent heat transfer (min. 200mm).

Fault Finding/Testing

Electronic transformers give little or no output unless connected to a load of the correct rating. To measure output voltage use a true r.m.s. A.C. voltmeter with a bandwidth >30Khz. The output cannot be measured with a standard multi-meter.

IMPORTANT - Do not use a Megger or similar insulation resistance tester on circuits with electronic transformers connected as permanent damage to the transformers may result. Disconnect the transformers before testing.

TECHNICAL DATA

Input Voltage	Output Voltage	Nominal Power	Min Load for Dimming	Line Current	Max Ambient Temperature	Max Case Temperature
240V +/- 10%	11.4V ~	20 - 60VA	35W	0.27A	50 deg C	75 deg C



Environmental Protection (W.E.E.E.) – Aurora's WEEE Reg.No. WEE/BG0130YX (UK only)

Waste Electrical & Electronic Equipment Regulations (WEEE) requires that any of our products showing this marking (left) must not be disposed of with other household or commercial waste. Aurora does not levy any WEEE disposal charges to its customers for affected WEEE related products. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate any such product from other waste types and recycle it responsibly at your local facilities. Check with your Local Authority, Recycling Centre or retailer for recycling advice. If, when you purchased any Aurora product, your supplier included a WEEE disposal fee, you should then contact your supplier for advice on his takeback of the product for the correct disposal.

GUARANTEE

This product is guaranteed in the country of purchase for a period of 3 years from the date of purchase. The guarantee is invalid in the case of improper use, installation, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the National Wiring Regulations. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. Aurora does not accept responsibility for any installation costs associated with the replacement of this product. This warranty is in addition to the statutory rights in your country of purchase. Aurora reserves the right to alter specifications without prior notice.