



DIMMABLE ELECTRONIC TRANSFORMER DIMMABLE WITH RESISTIVE AND INDUCTIVE DIMMERS 60/105/150/210W/300W/VA

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION

LEAVE A COPY FOR THE USER / MAINTENANCE ENGINEER FOR FUTURE REFERENCE

WARNING

This product should be installed by a competent electrician in accordance with these instructions and the latest edition of the National Wiring Regulations. If in doubt consult a qualified electrician. For use with 12V Class III low voltage luminaires only.

INSTALLATION INSTRUCTIONS

Isolate from the mains supply before installation or maintenance.

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. 105W/VA per pair of terminals (up to transformer max load).

Ensure that the cable current rating is sufficient. The terminal connections are marked on the transformer.

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.

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

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.

Figure 1 - CORRECT Installation

Keep the transformer away from direct sources of heat

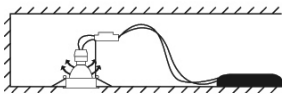


Figure 2 - INCORRECT Installation

Do not fit the transformer above the luminaire

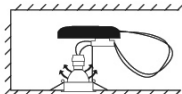
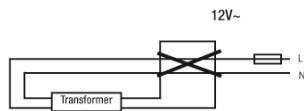


Figure 3 - INPUT AND OUTPUT WIRING

Do not allow the input and output wiring to cross

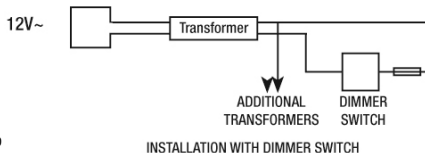


DIMMING

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).



RADIO INTERFERENCE

In common with other high frequency converters 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 AU-E105, AU-150 & AU-210 transformers feature 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 200 mm).

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 an insulation resistance tester on circuits with electronic transformers connected as permanent damage to the transformers may result. Disconnect the transformers before testing.

TECHNICAL DATA

Model	Wattage	Pri.Current	Sec.Current	Ambient Temp.	Max.Case Temp.	Min. Requirement for dimming
AU-60T3	20-60	0.27A	5A	-20 to +50°C	+75°C	35W
AU-E105	35-105	0.43A	9A	-20 to +45°C	+75°C	50W
AU-150	50-150	0.62A	13A	-20 to +45°C	+80°C	75W
AU-210	50-210	0.87A	18A	-20 to +45°C	+80°C	100W
AU-300	50-300	1.3A	25A	-20 to +45°C	+75°C	100W

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.

WARRANTY

See www.auroralighting.com for full details of guarantees and Extended Warranty Terms and Conditions. The warranty is invalid in the case of improper use, tampering, and 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 warranty period it will be replaced free of charge, this is subject to correct installation and return of the faulty product. 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.