85503

AURORA
INTERNATIONAL LIGHTING CORPORATION

LOW VOLTAGE 16W LED CONTROLLER

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION
LEAVE A COPY FOR THE USER / MAINTENANCE ENGINEER FOR FUTURE REFERENCE

IMPORTANT INSTALLATION INFORMATION

- Installation should be carried out in accordance with the latest edition of the I.E.E. Wiring Regulations.
- For use with Aurora Low Voltage LED Lamps.
- **PLEASE NOTE: 12V DC Output – correct polarity must be observed in order for the LV LED Lamps to operate.**
- Before commencing installation or maintenance, ensure electricity is switched off at the mains.
- Keep the LED Controller away from direct sources of heat such as Low Voltage lamps.
- Insure that ALL electrical connections are tight with no loose strands.
- ⓕ Suitable for mounting on normally flammable surfaces.
- Use the table below to assist with calculating how many LED lamps may be used with the LED Controller. Simply multiply the number of lamps by their respective wattage up to a MAX of 16W. It is possible to combine lamp types :

Lamp Type	Lamp Wattage	Max Number of Lamps per LED controller
MR8	0.3W	53
MR11	0.4W	40
MR16	1.2W	13

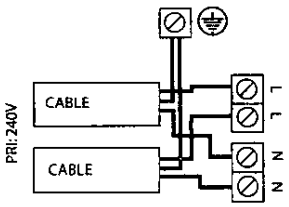
INSTALLATION INSTRUCTIONS AU-LED16IP

1. Isolate from the mains supply before installation or maintenance.
2. The AU-LED16IP is IP68 rated and is therefore protected against the following :
   - **First Numeral: Complete protection against contact/ DUST TIGHT – Pressure against ingress of dust.**
   - **Protection Against indefinite Immersion in water under specified pressure – 2m maximum depth**
3. The AU-LED16IP is suitable for exterior use e.g. Pond/pool lighting or anywhere requiring submersion in water
4. The mains supply should be connected to the Primary input cable using a suitable IP68 rated cable connector/junction box as follows:
   - **Black/Blue – Neutral**
   - **Red/Brown – Live**

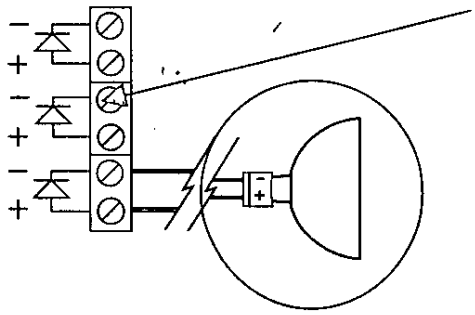
INSTALLATION INSTRUCTIONS AU-LED16

1. Isolate from the mains supply before installation or maintenance.
2. The LED controller feature loop-in and loop-out primary wiring terminals.
3. The mains supply should be connected to the Primary input terminals as follows:
   - **Black/Blue – Neutral**
   - **Red/Brown – Live**
   - **Green & Yellow – Earth.**

Input terminals.
Dual Live and Neutral terminals allow loop-in; loop-out wiring between LED controllers



4. Do not fit the LED controller above the luminaire (see fig 1 below)
5. **IMPORTANT**. Ensure connection of the lamps to the 12V DC supply is correct. Polarity is indicated on the LED controller and on all LV LED Lamps.



Polarity is indicated on LED Lamp as well as LED controller

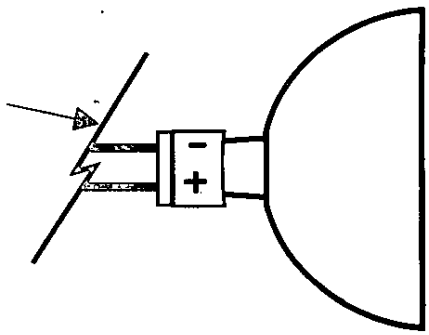
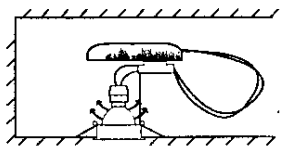
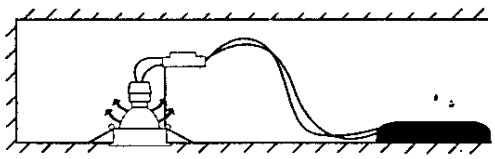


Fig.1 INCORRECT Installation



CORRECT Installation



GENERAL

- Aurora LED Controllers may be fitted in the same circuit as inductive loads as they feature 1.5Kw Surge protection in accordance with EN61547 +A1
- EMC compliance – EN 55015, EN 6100, EN 61547 +A1
- Safety compliance – EN 61347
- DIMMING of the LED lamps is not possible.

GUARANTEE

This product is guaranteed in the UK for a period of 3 years from the date of purchase. The guarantee is invalid in the case of improper use, installation or tampering. 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. Your statutory rights are not affected. Aurora reserve the right to alter specifications without prior notice.