



OPERATING INSTRUCTIONS

IN-LINE IGBT DIMMER

(Model D150)

This is one of the new generation of silent dimmers from Photon Beard featuring IGBT (insulated gate bi-polar transistor) devices which eliminate the heavy, noisy chokes of conventional triac dimmers. Because they are 'silent' in operation these dimmers can be brought onto the set close to the luminaries they serve.

Operation

To use this dimmer, simply connect between the lamp head (1000W max) and the mains supply to control the load down to zero. This dimmer is designed for use at 230 – 240V with lamps of up to 1000W only. If a load exceeding 1000W is applied, the dimmer has an automatic cut out and will switch off until the over-load is removed.

Safety

IMPORTANT! This dimmer operates on the neutral line – **the live line is permanently connected through the dimmer with the output at full mains voltage** – even if the load has been dimmed to zero. Always isolate a lamp head from the dimmer, or the dimmer from the mains supply if changing lamps etc. This dimmer is designed for use in dry conditions only and should not be exposed to moisture.

Internal fuse is rated at 5A – should the fuse need replacing, **isolate from mains supply** before opening the housing. To open, remove the cap from the control knob and loosen the clamping screw and remove the knob. Remove the top two screws from both ends of the dimmer housing and remove the main housing. Replace the fuse and reverse the procedure to replace the housing, making sure that the internal earth cable is connected.

Conformity

Photon Beard products conform to appropriate European standards, specifically:
73/23/EEC 1995 Low voltage directive
93/68/EEC 1995 CE marking directive 89/336/EEC EMC directive
Standards applied: EN 50081-2, EN55014, EN55022

RoHS Photon Beard products do not contain more than the maximum permitted levels of hazardous substances as laid down in the European directive on the restriction of use of certain hazardous substances

WEEE Under the European directive on the disposal of waste electrical and electronic equipment, this equipment should only be disposed of through approved recycling facilities and not through landfill waste disposal.