

AL-DD 12



The AL-DD 12 connection centre provides a simple way to integrate presence detectors and DALI compatible luminaires using industry standard black blue connectors and black grey connectors.

Up to 2 detectors can be connected and up to 12 luminaires dependant on the control philosophy required, manual override switches can also be incorporated.

Up to 4 AL-DD 12 can be Networked together via DALI Power jumper being removed which allows the DA+ and DA- to be connected from one unit to another using a good quality 1.0mm LSOH core cable.

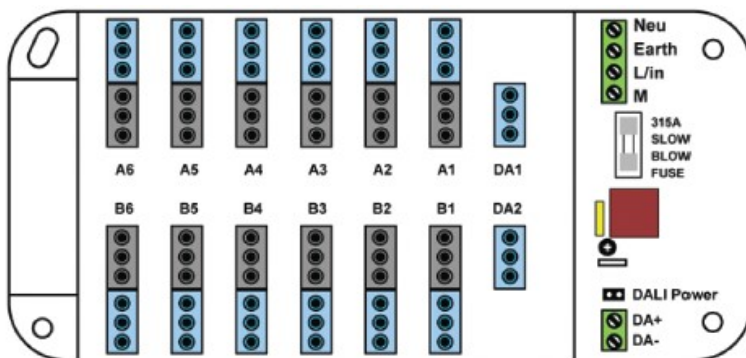


Figure 1

WARNING 230V a.c.

The connections to this equipment should only be carried out by suitably Qualified person in accordance with the current wiring regulations and any other statutory regulations that are applicable for the installation.

To ensure a positive connection to the 3 and 6 pole sockets on the AL-DD 12 ALD Lighting Solutions will only recommend and guarantee the use of ALD Latching connectors.

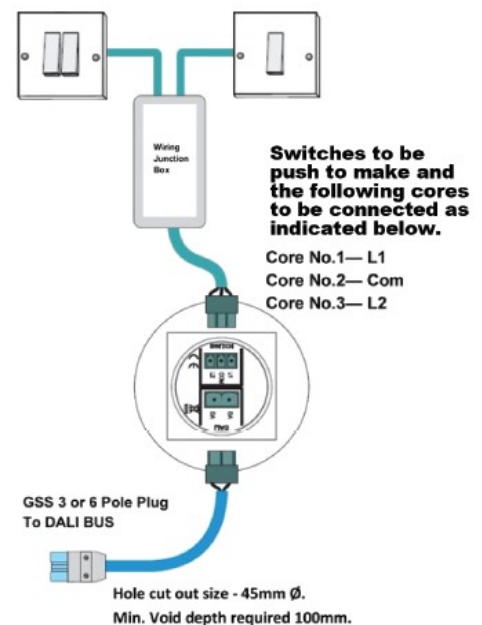


Figure 2

ELECTRICAL CONNECTIONS

Appropriate means of supply disconnection and overcurrent protection should be provided by the installation.

Screw terminations are provided within the wiring chamber underneath the cover for power supply connections and external dimming applications—See figure 1.

Luminaires and PIR's are plugged directly into the 6 and 3 pole sockets respectively—see figure 1.

Override switches are connected to the PIR's see connection details in figure 2.

Note only DALI compatible equipment is suitable use with this equipment.

The cover of the wiring chamber is removed by inserting the blade of a flat screwdriver in to the catch and applying light pressure on the handle towards the output connectors on the AL-DD 12 while lifting the outside edge of the cover.

The cable entries for 20mm conduit, bushes or glands are semi-pierced in the end wall of the wiring chamber and can be knocked out carefully using a flat bladed screw driver and small hammer. Alternatively these can be removed with a 20mm hole saw.

A cable gland must be used to provide a strain relief if the cable is not routed in to the AL-DD12 via conduit or trunking.

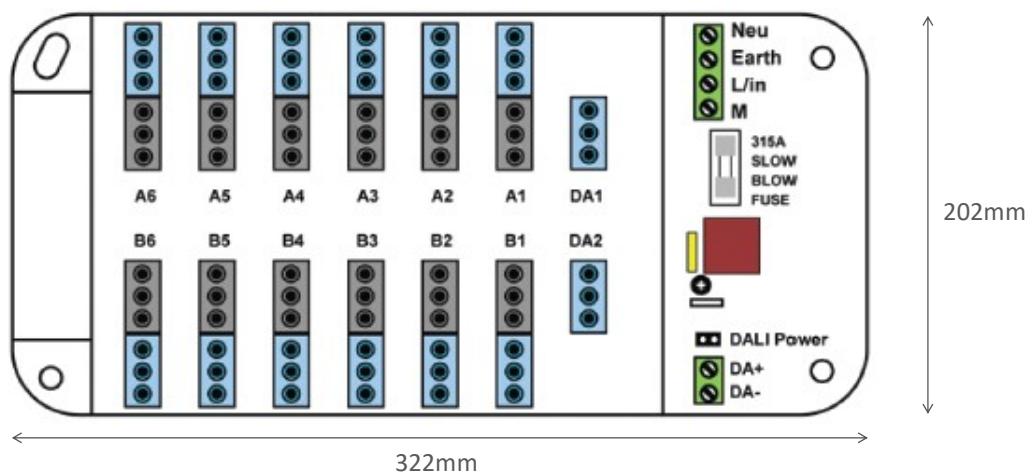


Figure 3

FIXINGS

The AL-DD 12 should only be sited internally—not suitable for exterior applications. Fix on a flat, smooth surface using the 2no fixing flanges located at the end of the AL-DD 12 and the 2no fixing holes located in the wiring chamber—see figure 3 above. The use of rod suspension is not advised although this can be done as long as the fixing is substantial enough to withstand the action of plugging and unplugging the connectors without damage to the AL-DD 12 housing and also ensuring latching is engaged.

TECHNICAL DATA

Operating Voltage: 230V 50Hz

Product Rating: 16 Amps

Recommended circuit protection: 10 Amps

Maximum load per output: 6 Amps

Maximum total load: 16 Amps

Case material: V0

BN EN60670-1: 2005+A1: 2013, BS EN60670-22: 2006 & BS EN 60669-2-1: 2004+A12: 2010



PRODUCT CODE	DESCRIPTION
AL-DD-12	DISTRIBUTION CENTRE