

zano

controls

ZANO GRID RANGE

The Zano grid range can control a range of loads depending on various factors which are laid out in the table below. See overleaf for maximum total loads on cover plate recommendations.

It is essential before making any connections to check the load that requires dimming and to cross check the table to ensure the load meets the specification of the dimmer switch. Connection loads outside of the specification will invalidate the guarantee.

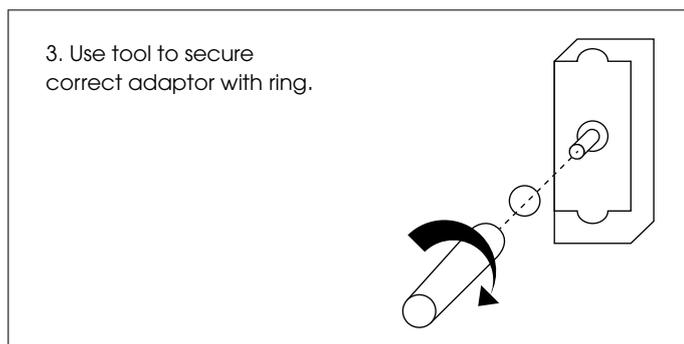
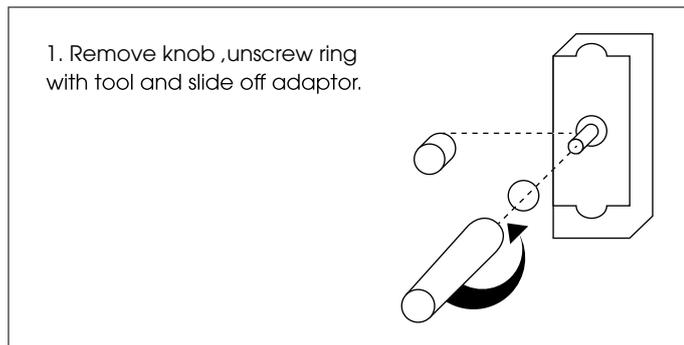
SPEC	SINGLE		DOUBLE	
PROD REF.	ZGRID500		ZGRID700	
LAMP TYPE	T	LV	T	LV
MAX WATT	500	400	700	600
MIN WATT	40		75	
FLUSH WALL BOX	72 x 72 x 35 mm		135 x 72 x 41 mm	

ASSEMBLY DIAGRAMS

WE RECOMMEND THAT THE INSTALLATION OF THESE PRODUCTS SHOULD ONLY BE CARRIED OUT BY A QUALIFIED ELECTRICIAN.

This product should be disposed of properly and recycled at the end of its life where facilities exist.

a. DETA b. Schneider Electric (GET) c. BG d. Wandsworth
e. MK Logic f. Hamilton g. MEM h. Crabtree



USING THE MINIMUM LEVEL PRE-SET

The minimum level pre-set is located on the side of the ZGRID500 and the ZGRID700. This is used to set the minimum level of light to a stable level to get the best from your dimmable lamps. This can be adjusted with a small screwdriver when the dimmers potentiometer is turned to the lowest point. Ensure mains are isolated and adjust in small intervals to find stable light point at minimum level ensuring it's safe.

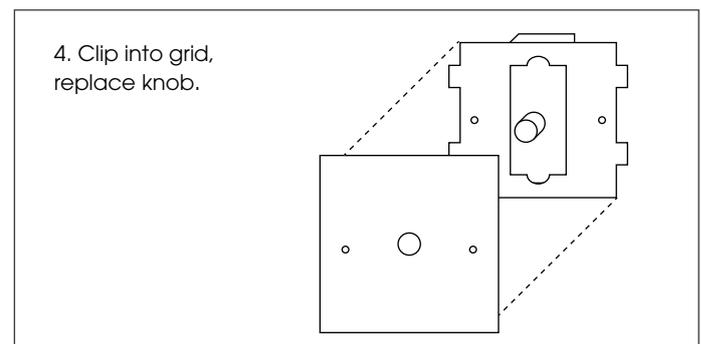
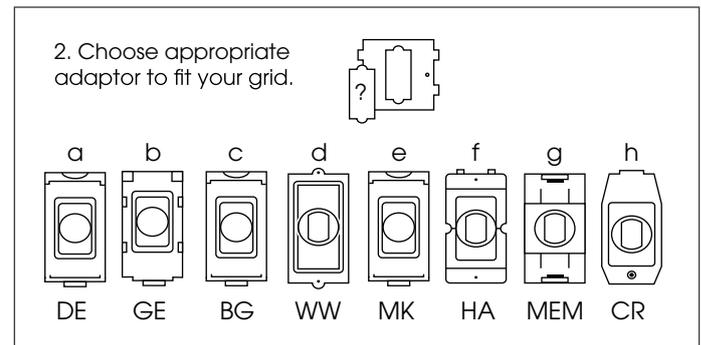
(Be sure to turn power off before adjusting!)

There are two main reasons why other dimmers cause flicker :

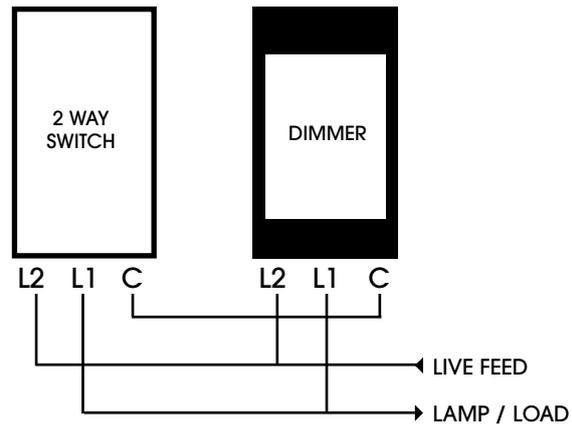
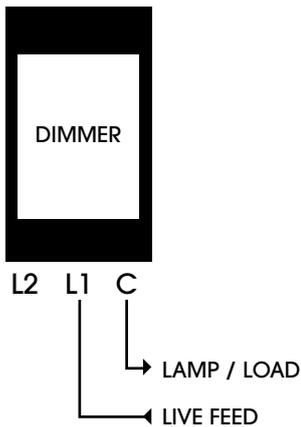
1. Most dimmers have a micro processor which is not suitable with linear loads as these can be too efficient and chip doesn't recognise load.
2. Dimmers without minimum level pre-sets can dim load too low which causes gasses in lamps to cool down to an unstable level or voltage is reduced beyond lamps minimum voltage level for operating.

If you are dimming LED loads we now recommend our ZGRIDLED dimmer, it differs from our standard grid dimmers with brand new technology which ensures silent, flicker free LED dimming every time.

- TURN OFF MAINS at distribution board.
- Wire device using suitably rated cable as in wiring diagrams.
- Terminals should be tightened to a maximum of .33Nm.
- Check polarity is correct throughout.
- Fit appropriate adaptor as in assembly diagrams (If applicable)
- Fit device into wall box ensuring cables are not obstructed.
- Secure front plate.



WIRING INSTRUCTIONS



Dimming Information

Mains tungsten halogen

To meet the load specification only lamps with an integral fuse should be used. We recommend lamps from the following manufacturers: Philips, Osram, GE, Sylvania, Megaman and Aurora.

Wire wound & toroidal transformers

Wire wound transformers are intrinsically dimmable and provide a very reliable load for any dimming product. Take note to de-rate as per loading chart.

Electronic transformers

The ZGRID500 uses leading edge technology, which unlike transformers which are trailing edge, does not cause flickering and buzzing. We recommend transformers from manufacturers Collingwood and Mode. It is generally recommended that transformers are loaded to a minimum of 70% of their rating to avoid lamp flicker or poor dimmer operation. Zano Controls can advise or test if a specific transformer is required. Call our friendly technical support team on **0845 519 5858**.

We provide this information as guidance only and accept no responsibility for unsatisfactory installations or damage caused for any reason. This product should be disposed of properly and recycled at the end of its life where facilities exist.

The products are designed and built to comply with BSEN55014, EN50082-1 (EMC), EN60669-2-1 (LVD).

MAXIMUM PLATE LOAD RECOMMENDATIONS

COVER PLATE SIZE (WXH)	TUNGSTEN	LOW VOLTAGE
SINGLE GANG 76MM X 76MM	500W	400W
DOUBLE GANG 137MM X 76MM	1000W	700W
6-8 GANG 137MM X 137MM	1500W	1000W
9-12 GANG 137MM X 197MM	2000W	1350W
18 GANG 197MM X 197MM	2500W	1800W
24 GANG 197MM X 257MM	3000W	2000W

Zano Controls

Zano Controls produces a range of dimmer switches and lighting control systems. For our full range of products see our website or pick up a brochure from one of our stockists.

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Guarantee

1. The Company guarantees at its entire discretion either to replace or repair any of the Goods which within the Guarantee period of the Goods are shown to its satisfaction to be defective through faulty material or workmanship alone, provided that no attempt has been made by the Customer or a third party to rectify, dismantle or alter the Goods in any way.
2. The Guarantee period for any Goods is as specified at the time in the Company's catalogue current at the time of acceptance of the Customer order and commences on the delivery of the Goods.
3. All terms, conditions, warranties, or representations, whether expressed or implied, as to description, condition, quality or fitness for purpose of any of the Goods are hereby excluded.
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