

zano

controls

ZANO STANDARD WHITE RANGE

The Zano standard white range can control a range of loads depending on various factors which are laid out in the table below. It is essential before making any connections to check the load that

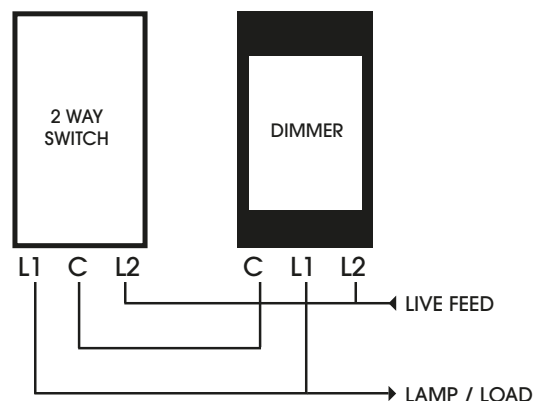
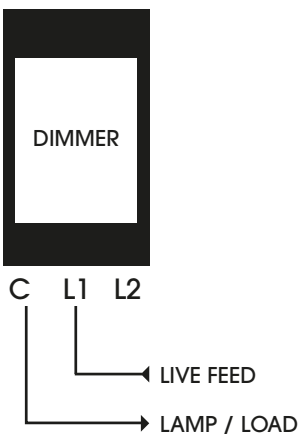
requires dimming and to cross check the table to ensure the load meets the specification of the dimmer switch. Connection loads outside of the specification will invalidate the guarantee.

MODULE QTY	1 GANG	1 GANG	1 GANG			2 GANG	2 GANG	3 GANG	4 GANG
PLATE	SINGLE	SINGLE	SINGLE			SINGLE	SINGLE	TWIN	TWIN
PROD REF.	ZANOWH251	ZANOWH401	ZANOWH1001			ZANOWH252	ZANOWH402	ZANOWH253	ZANOWH254
LAMP TYPE	T/LV	T/LV	T	LV	CFL	T/LV	T/LV	T/LV	T/LV
MAXWATT PER	250	400	1000	700	166	250	400	250	250
MIN WATT	40	60	150	30		40	60	40	40
WALLBOXDEPTH	16MM	16MM	35MM			16 MM	16MM	16MM	16MM

WIRING INSTRUCTIONS

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

TERMINAL ORIENTATION MAY VARY WITHIN PRODUCT RANGE.



Dimming Information

Compact fluorescent lamps (CFL)

There are several issues with dimming compact fluorescent lamps (CFL). The lamps need to be burnt in with most manufacturers recommending running the lamps at full brightness for a period so please check with the manufacturer.

Compact fluorescent lamps use a ballast in the base. If these are not designed to be dimmed then they can get hot enough to be considered a fire hazard. Care should be taken to ensure the lamps you have selected are actually dimmable.

All CFL lamps require a 2 minute run-in time at full brightness before dimming but this is temperature related so atmospheric conditions will have a dramatic effect.

CFL lamps will not dim down to very low levels. At low levels they will start to flicker and then may switch off due to the gases becoming cold. Expect to achieve 30 to 50% dimming capability but temperature will affect results.

LED lamps

There are several issues with dimming LED lamps. At Zano we have tested a number of different manufacturer's lamps and fittings and would recommend you contact us if you have a large project where your requirements can be discussed.

LEDs will generally dim down to lower levels than CFL lamps on average they will dim down between 5 to 15% but they are still susceptible to 'drop out' which means they may switch off at low levels so care should be taken when setting the MLP.

Lights' not turning on, if using 2-way switching and the dimmer is set to a low level the lights may not switch on even if they have previously operated at that level.

LED lamps are susceptible to voltage fluctuations and may switch off or flicker in these situations.

Not all LEDs are dimmable with our dimmers. Visit our website to see the latest list of lamps that have been tested. We would not recommend mixing different makes of lamps as you may find varying results with different batches of manufacturers from the same supplier.

If you are experiencing issues, please view our website www.zanocontrols.co.uk or contact our Sales Team on 0845 519 5858.

Mains tungsten halogen

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

Wire wound transformers

The ZGRID700 includes a soft start feature which is useful when dimming 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

Zano dimmers use leading edge technology, which unlike transformers which are trailing edge, does not cause flickering and buzzing. We would recommend transformers from the following manufacturers: Collingwood, Mode, Erea and IBL. It is widely recommended that transformers are loaded to a minimum of 70% of their rating to avoid lamp flicker or poor dimmer operation.

We can advise or test if a specific transformer is required. Call technical support 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	CFL
SINGLE GANG 76MM X 76MM	500W	400W	66W
DOUBLE GANG 137MM X 76MM	1000W	700W	116W
6-8 GANG 137MM X 137MM	1500W	1000W	166W
9-12 GANG 137MM X 197MM	2000W	1350W	225W
18 GANG 197MM X 197MM	2500W	1800W	300W
24 GANG 197MM X 257MM	3000W	2000W	333W

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.

4. So far as permitted by statute, the Company shall not be liable for loss or damage whether direct or consequential and whether suffered by or occasioned to the Customer, its employees or agents or to any third party. Our full terms and conditions can be found on our website www.zanocontrols.co.uk.

Zano Controls

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

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