

## BEFORE YOU START:

- The **VA rating of the lamp/load**, and the **total inrush current** need to be calculated using the specifications provided by the lamp/fitting manufacturer.
- Select the appropriate dimmer based on total load and inrush calculations.
- Do not use lamps with a power factor of less than 0.8
- Due to some lamp/loads not taking their current in a sinusoidal waveform, further derating may be required. If you are unsure please contact us.

**Installation must be carried out by a qualified electrician. For optimum performance the dimmer must be programmed.**

# ZANO LED MODULES

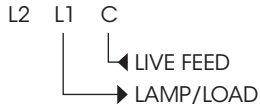
Flicker-free and silent LED dimming

# ZLINELED

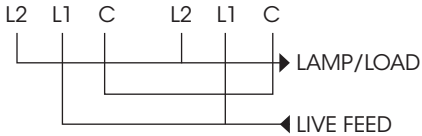
Premium plate dimmer

## WIRING INSTRUCTIONS

Dimmer



Switch and dimmer



## INSTALLATION

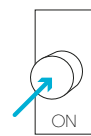
**NB: Installation must be carried out by a qualified electrician.**

- Turn off the mains at distribution board.
- Wire device using a suitable mains rated cable as in wiring diagrams.
- Terminals should be tightened to a maximum of 0.5Nm.
- Check polarity is correct throughout.
- Fit appropriate adaptor as in assembly diagrams.
- Product should be recycled at end of life where facilities exist.

## PRODUCT OVERVIEW

The Zano LED modules and ZLINELED plated dimmers have been specifically designed to dim LED lamps. The advance technology used to control the load results in flicker-free and silent dimming of lamps and drivers. The technology also eliminates the need to differentiate between leading and trailing edge lamps. It works with both. All of our LED dimmers have built-in thermal and over-load protection, as well as our Smart Settings. It is essential before making connections to check the load against the tables to ensure it meets the specifications of the dimmer.

## PROGRAMME LIGHT LEVELS WITH SMART SETTINGS



**1** Turn on the controller.



**2** Turn controller fully clockwise then press to turn off.



**3** While off, turn the controller fully anti-clockwise.



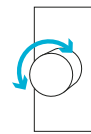
**4** Press to turn on. The lights will now flash to indicate that you are in programming mode.



**5** Turn controller clockwise to bring on the lights and choose your desired minimum level.



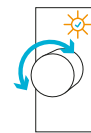
**6** Let go of the controller and wait for a flash. The minimum level has now been set.



**7** Turn controller to the desired start level.



**8** Let go of the controller and wait for a flash. The start level has now been set.



**9** The lights will now come on at maximum brightness. Turn the controller down to a different maximum if preferred.



**10** Let go of the controller and wait for a flash. Your dimmer is now programmed and ready to use.

**NB: All settings will be retained even in the event of a power cut. To reset, just start the programming sequence again.**

## SPECIFICATIONS: MODULE

PART NO.	ZMO150	ZMC150	ZMO250	ZMC250
MODULE SIZE	SINGLE	SINGLE	SINGLE	SINGLE
POT POSITION	OFFSET FOR PLATE MOUNTING	CENTRE FOR GRID APPLICATION	OFFSET FOR PLATE MOUNTING	CENTRE FOR GRID APPLICATION
LAMP TYPE	LED	LED	LED	LED
MAX WATT	150W / VA	150W / VA	250W / VA	250W / VA
MIN WATT	0W / VA	0W / VA	5W / VA	5W / VA
MIN BOX DEPTH	35 MM	35 MM	35 MM	35 MM
2-WAY SWITCHING	YES	YES	YES	YES
NEED TO DE-RATE TO 160W / VA	N/A	N/A	YES IF FITTING 2 OR MORE PER PLATE	YES IF FITTING 2 OR MORE PER PLATE

## SPECIFICATIONS: ZLINELED

PART NO.	ZSP151	ZSP152	ZSP251	ZSP252
PLATE SIZE	1G	2G	1G	2G
LAMP TYPE	LED/CFL	LED/CFL	LED/CFL	LED/CFL
MAX WATT	150W / VA	2 X 150W / VA	250W / VA	2 X 250W / VA
MIN WATT	5W / VA	5W / VA	5W / VA	5W / VA
MIN BOX DEPTH	35 MM	35 MM	35 MM	35 MM
2-WAY SWITCHING	YES	YES	YES	YES

## MAXIMUM PLATE LOAD RECOMMENDATIONS: MODULE

COVER PLATE SIZE	LED RATING
SINGLE PLATE	400W / VA
DOUBLE PLATE	640W / VA
6-8 GANG	1280W / VA

### CONTACT OUR FRIENDLY TEAM

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### GUARANTEE

For lamp test results and our full terms and conditions please see our website: [www.zanocontrols.co.uk](http://www.zanocontrols.co.uk)