

ZBARLED300 / ZBARLED1000

WIRING INSTRUCTIONS & GUIDELINES

TECHNICAL OVERVIEW

The ZBARLED will dim a variety of loads, primarily LED, but also CFL LV and Tungsten. Control of the unit can be made via a Zano rotary controller, or different types of retractive switche. Up to 32 rotary controllers can be connected in parallel to one ZBARLED. Please note that when dimming your lights with multiple rotary controllers the light levels are adjusted from the last level selected at that switch point.

ZBARLED REMOTE DIMMER SPECIFICATIONS

PART NO.	ZBARLED300	ZBARLED1000
DESCRIPTION	IN-LINE REMOTE DIMMING PACK	
LAMP TYPE	ANY MAINS DIMMABLE LAMP*	
MAX WATT	300W / VA	1000W / VA
MIN WATT	0W	0W
SIZE (mm)	125 X 51 X 34mm	

*Please see website for lamp test results www.zanocontrols.co.uk

ZANO CONTROLLER SPECIFICATIONS

PART NO.	DESCRIPTION
ZMOBARCR	ROTARY CONTROLLER MODULE
ZGRIDBARCR	GRID ROTARY CONTROLLER
ZGRIDBARCRBLK	BLACK GRID ROTARY CONTROLLER
ZWHBARCR	PLATED ROTARY CONTROLLER

RETRACTIVE PUSH UP/DOWN

SETTING THE MINIMUM LEVEL PRESET :

Check the unit is functioning but turning on the lights and dimming up and down a little.

1. Dim down until the light level reaches the minimum or goes off. Keep dimming down continuously for a further 20 sec.
2. The lights will flash to indicate programming mode has been selected.
3. Change the light level to the required minimum level and wait for a flash (5 sec after last change)
4. Change the light level for the required start level. This may not be required. Wait for a flash to indicate that the value has been saved. (5 sec after last press.)
5. Programming is now complete and normal operation is resumed. If the settings require changing then please start the process again.

SETTING THE START LEVEL PRESET :

After following points 1-6 above, you then have 5 seconds to begin. Select the level needed for your lamps to turn on consistently, then release the control and wait for another 5 seconds. The lights will flash once more to indicate both levels have been stored and normal dimmer operation is resumed.

BOOST FEATURE :

Simply set the start level to maximum and the boost is activated, giving the lamps an extra kick start to get going, after which they will smoothly adjust and operate as normal.

ZANO ROTARY CONTROLLER

SETTING THE MINIMUM LEVEL PRESET :

1. Turn on the lights and turn control clockwise to full brightness.
2. Press to turn off.
3. While off, turn control knob fully anti clockwise.
4. Press again to turn on. The lights will flash to indicate that you are now in programming mode.
5. Select the minimum light level required.
6. Release the control and wait for 5 seconds. The lights will flash again to indicate the minimum level has been stored.
7. You now have the option to set the start level (see below) or simply wait until the lamps flash once more indicating that normal dimmer operation is resumed.

SETTING THE START LEVEL PRESET :

After following points 1-6 above, you then have 5 seconds to begin. Select the level needed for your lamps to turn on consistently, then release the control and wait for another 5 seconds. The lights will flash once more to indicate both levels have been stored and normal dimmer operation is resumed.

BOOST FEATURE :

Some LED's require so much energy to start up that we've added another feature called the boost. If you find that the lamps do need this, simply set the start level to maximum and the boost is activated, giving the lamps an extra kick start to get going, after which they will smoothly adjust and operate as normal.

RETRACTIVE PUSH/BUTTON SWITCH

SETTING THE MINIMUM LEVEL PRESET :

Check the unit is functioning but turning on the lights and dimming up and down a little.

1. Dim down until the light level reaches the minimum or goes off. Keep dimming down continuously for a further 20 sec.
2. The lights will flash to indicate programming mode has been selected.
3. Change the light level to the required minimum level and wait for a flash (5 sec after last change)
4. Change the light level for the required start level. This may not be required. Wait for a flash to indicate that the value has been saved. (5 sec after last press.)
5. Programming is now complete and normal operation is resumed. If the settings require changing then please start the process again.

SETTING THE START LEVEL PRESET :

After following points 1-6 above, you then have 5 seconds to begin. Select the level needed for your lamps to turn on consistently, then release the control and wait for another 5 seconds. The lights will flash once more to indicate both levels have been stored and normal dimmer operation is resumed.

BOOST FEATURE :

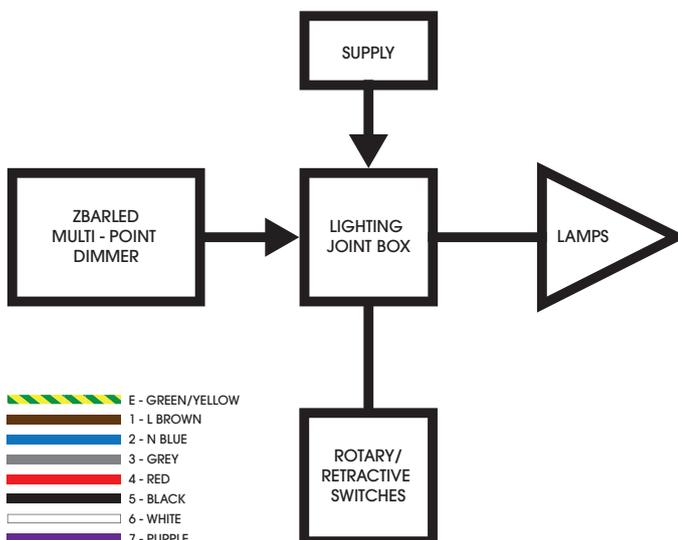
Simply set the start level to maximum and the boost is activated, giving the lamps an extra kick start to get going, after which they will smoothly adjust and operate as normal.

INSTALLATION MUST BE CARRIED OUT BY A QUALIFIED ELECTRICIAN

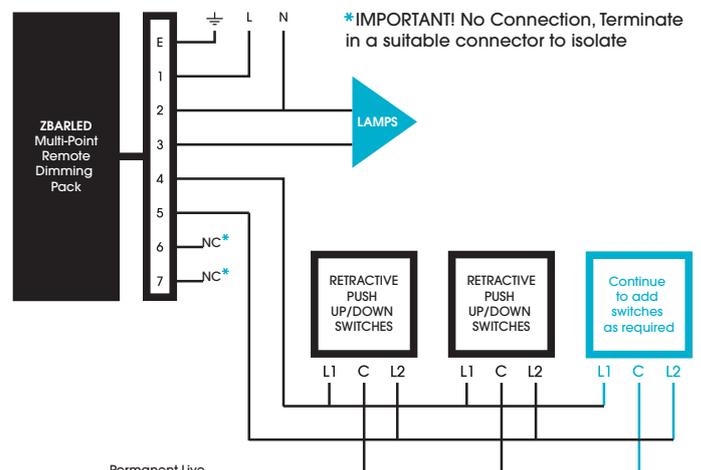
- This product must be installed in accordance with the relevant wiring regulations.
- Switch off mains supply.
- Decide on a suitable location for the dimmer pack with adequate ventilation and ensure the dimmer is mounted away from insulation.

- If multiple units are mounted within close proximity, ensure a 15mm gap between units.
- Commence connections as per appropriate wiring diagrams and in accordance with the relevant wiring regulations.
- Incorrect wiring may result in product failure and / or irreparable damage to the product.

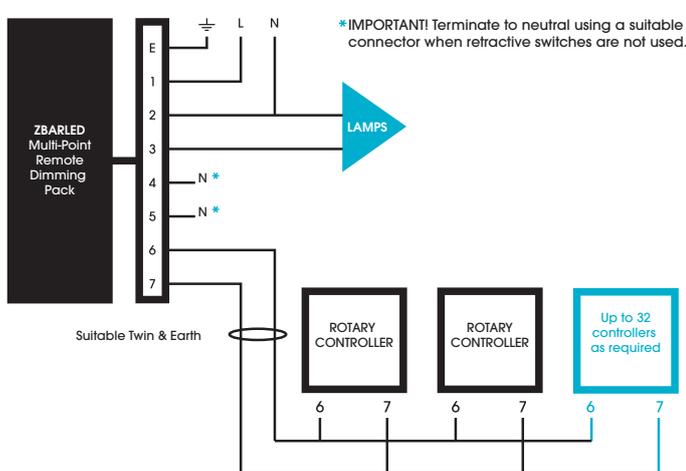
GENERAL WIRING DIAGRAM



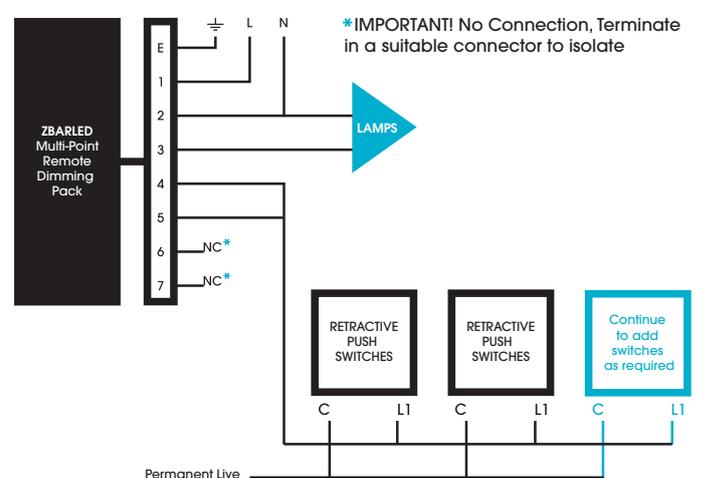
WIRING WITH RETRACTIVE PUSH UP/DOWN SWITCHES



WIRING WITH ROTARY CONTROLLERS



WIRING WITH RETRACTIVE PUSH SWITCHES



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ABOUT ZANO CONTROLS

We are award winning manufacturers of LED dimming solutions and pride ourselves on providing fast, friendly, expert advice. Call us now on 0845 519 5858 for the answer to LED dimming. For our full range of products, technical advice & instructional films or to find your nearest stockists please see our website.

GUARANTEE

For lamp test results and our full terms and conditions please see our website: www.zanocontrols.co.uk.