



Operating Instructions

301-1918 Dimmer for High Frequency Dimming Ballasts

The 301-1918 dimmer is designed to dim fluorescent lighting when used in conjunction with high frequency 1-10V dimming ballasts such as in the RS range.

Installation

- Connect the terminal block to the 1-10V input of the dimming ballast(s) as in diagram 1.
- Use twin core screened cable with the outer screen connected to earth.
- Turn the main control knob on the front to minimum.
- With light on, adjust the preset on the back of the unit to give the desired minimum light level.
- When used with multiple ballasts, the 1-10V inputs should be connected in parallel.

Troubleshooting

The dimming knob position for full brightness depends on the installation, number of ballasts and their type. To cater for this, the following modifications may be required:

- With the minimum brightness control turned fully anti-clockwise, if you do not get the required control of brightness try attaching a 47K shunt resistor across the terminals as in diagram 2.
 - If the maximum setting does not achieve the maximum brightness, firstly ensure that the adjustment preset is turned to maximum. If this does not work, try fitting a 22K series resistor as in diagram 3.
- These resistance values are suggestions only. Try other values as necessary.

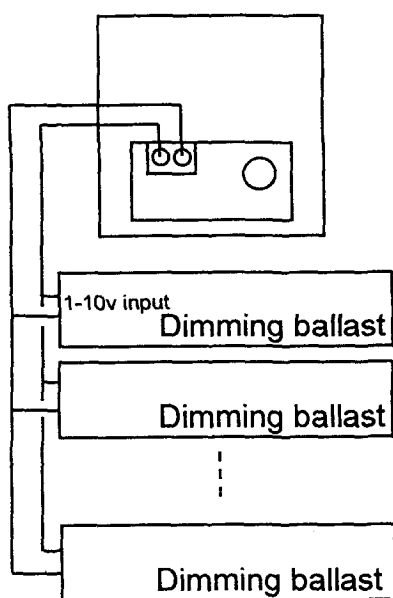


Diagram 1

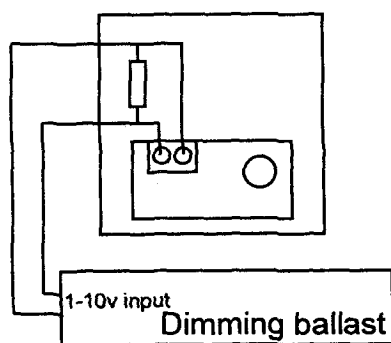


Diagram 2
with shunt resistor

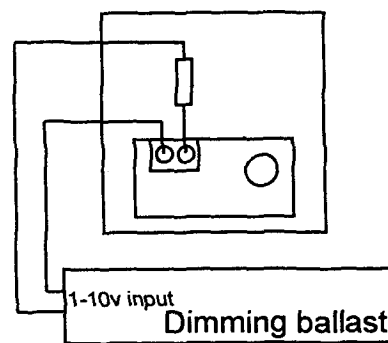


Diagram 3
with series resistor

All wiring
should be
carried out by a
qualified electrician
in accordance with the
current IEE Wiring Regulations

IMPORTANT NOTICE