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DMX DIMMABLE FLUORESCENT

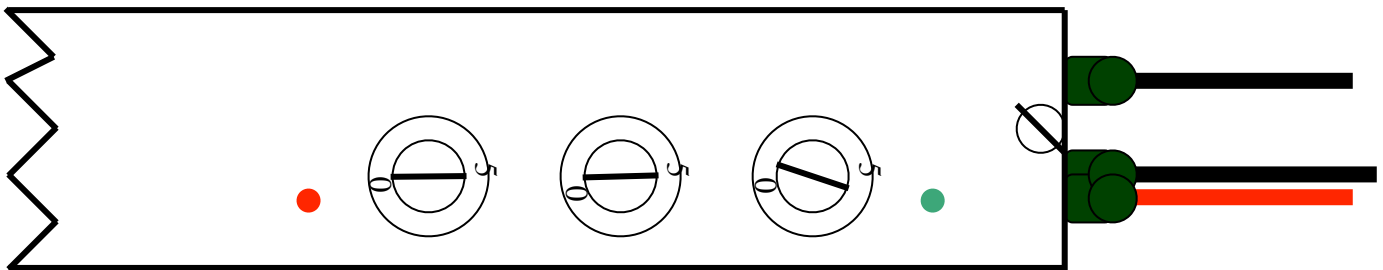
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Sparks Dimmable Fluorescent MKIII

1. Introduction

Each Sparks dimmable ballast MK III enables the dimming of one 4' fluorescent tube. The ballast can be addressed using the three switching pots.

2. The front panel



- When power is supplied, the RED LED will illuminate
- When DMX is present, the GREEN LED will illuminate
- The GREEN LED will flash if the address is out of range

3. Installing the units

Each unit needs independent power and DMX. You can daisy chain up to 24 units from one 5A power feed. You may need to terminate the DMX if the units are last in the string.

Each ballast is in a 60cm bit of trunking, which has trailing IEC power and DMX in and out and a trailing XLR4 which goes to one fluorescent encapsulite. Each trailing lead is approximately 1 to 1.5 metres in length: You can extend the XLR4 but it needs to be animation NOT scroller cable and we don't recommend anything longer than a 5 metre cable; the units will dim to 1% or 10% before the relay kicks in to switch off.

4. To operate the unit

- 1 Connect the ballast to the mains supply.
- 2 Connect to DMX supply
- 3 Plug in Encapsulite fitting via the XLR4 connector.
- 4 Select desired address.
- 5 If the 'RED LED' is illuminated then the unit has power.
- 6 If the 'GREEN LED' is illuminated then the unit has DMX.

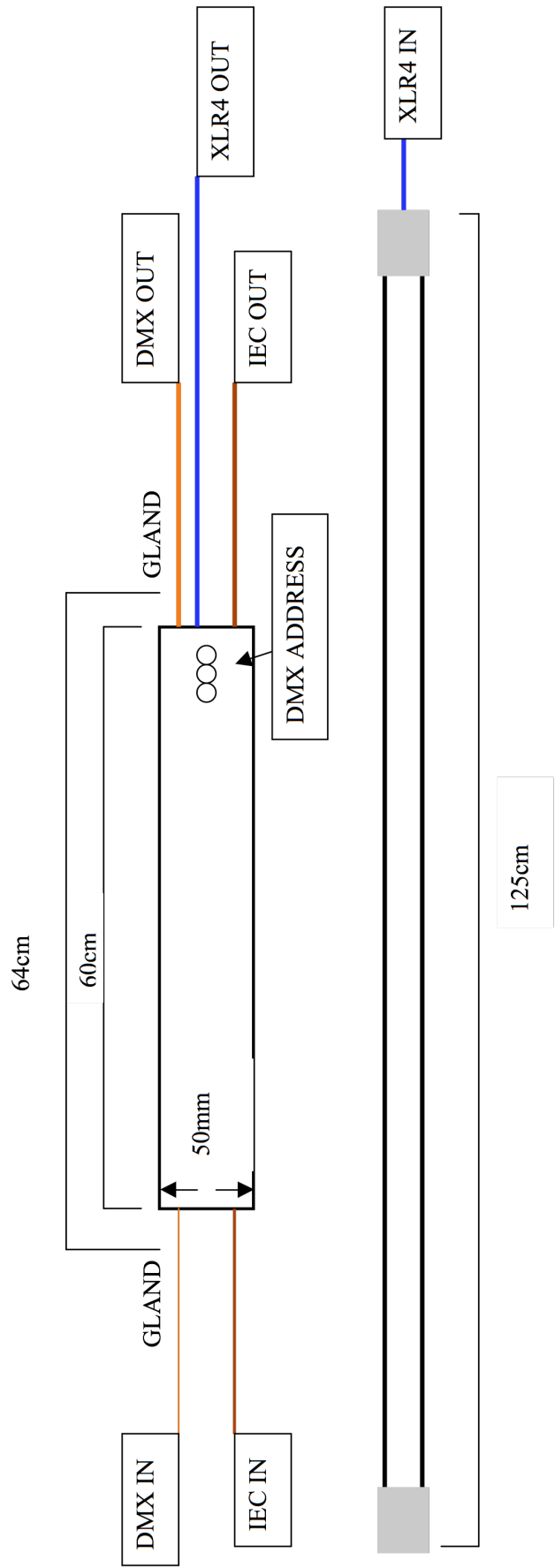
5. Trouble shooting



IF YOU HAVE TO OPEN THE BALLAST OR THE ENCAPSULITE FOR ANY REASON THEN PLEASE MAKE SURE THAT THEY ARE FULLY DISCONNECTED FROM ANY ELECTRICAL POWER SOURCE.

- 1 If the 'GREEN LED' is flashing, check that the address is not out of range.
- 2 If the 'RED LED' is not illuminated, check that there is power and check the 3A fuse on the end of the dimmable ballast.
- 3 If the fluorescent will not work, unplug from ballast and check that the end caps are seated properly.
- 4 If the unit will only dim to 50% then contact Sparks for a replacement.
- 5 Above all. Don't panic.

SPARKS DIMMABLE FLUORESCENT



WEIGHT = 2.455kg

ADVANCED TROUBLESHOOTING

Some things to try

1 FLUORESCENT TUBE STAYS ON AND WILL NOT DIM

- a) CHECK +/-10V CONNECTIONS ARE FIRMLY SEATED ON BALLAST
- b) CHECK THE SHORT AND LONG WIRES ARE FIRMLY SEATED IN BALLAST
- c) SWAP DMX CARD

2 FLUORESCENT TUBE WILL NOT COME ON

- a) CHECK +/-10V CONNECTIONS ARE FIRMLY SEATED ON BALLAST
- b) CHECK THE SHORT AND LONG WIRES ARE FIRMLY SEATED IN BALLAST
- c) CHECK THE END CAPS ARE FIRMLY SEATED ON THE FLUORESCENT TUBE
- d) SWAP BALLAST

3 FLUORESCENT TUBE ONLY DIMS TO 50%

- a) CHECK +/-10V CONNECTIONS ARE FIRMLY SEATED ON BALLAST
- b) SWAP DMX CARD

4 FLUORESCENT TUBE DIMS BUT WILL NOT TURN OFF

- a) CHECK +/-10V CONNECTIONS ARE FIRMLY SEATED ON RELAY
- b) SWAP RELAY