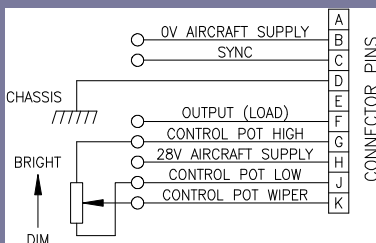




28V & 5V Dual Channel Lighting Controller

6732 Series



This dual channel dimmer was specially designed to meet the requirements of a modern twin seat trainer aircraft. The unit can either supply the two cockpits independently or can provide a redundancy facility by splitting supplies to one cockpit.

To meet the diverse requirements of various instruments both 0 - 5V and 0 - 28V DC outputs are supplied from each channel. The combined load, however, should not exceed the maximum load of 75VA per channel. If a short circuit is applied to the output for longer than 8 seconds, the unit turns the affected channel off. To reset the unit, the input supply should be cycled off and on again.

The unit can be mounted remotely from the cockpit, allowing valuable panel space to be used for other controls. Only miniature 10K ohm potentiometers are needed for pilot operation.

Using switch mode topology, the unit meets the EMC requirements of BS3G100 and will supply mixed loads of filament lamps and LEDs. It is capable of allowing a faulty lamp to 'blow' without operation of its short circuit protection.

Typical applications are in the BAe Jet Fighter / Trainer Hawk 100 and 200.

Features

- Operating Temperature: -40°C to +70°C
- EMC Compatibility: Approved to BS3G100
- Input Voltage: 28V DC to BS3G100 Part 3
- Output Voltage: Two channels of 0.35 to 5V DC & 2 to 28V DC, continuously variable
- Output Rating: 150VA total. 75A per channel shared between 5V & 28V o/p's
- Efficiency: >70% Typical
- Finish: Black Anodised to DEF STAN 03-26
- Dimensions: 111 x 189 x 148mm
- Weight: 3kg approx.

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