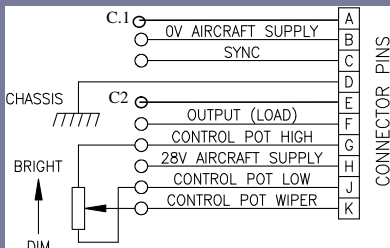




# 28V DC Lighting Controller with CAN Interface

## 6733C Series



A version of the well proven 6733 series dc lighting controllers, modified to control the cockpit lights of an aircraft or vehicles using a CAN interface. The lighting technology is based on the slow speed switching approach, which basically takes the 28 volt supply, and for full brightness, passes this to the output line via a power transistor in the fully on state.

For the dim setting the power transistor is pulsed at a frequency of 100Hz, with the rise and fall times controlled to a slow duration such that the EMC performance is not compromised. A feedback circuit ensures that the output setting is maintained for fluctuations in the input voltage.

Reverse polarity input protection surges and spike protection are also included. Output overload and short circuit protection are provided.

The CAN interface provides control over the operation of the Lighting controller as well as interrogation of various BIT signals to give confirmation of the units status & health.

Typical applications are in Aircraft or Vehicle Lighting.

### Features

- Operating Temperature: -40°C to +70°C
- CAN Interface: V2.0B passive
- Input Voltage: 28V DC to BS3G100 Part 3
- Output Voltage: Nominally 3 to 28V RMS Variable
- Output Rating: 100W (max) at maximum output Voltage
- Efficiency: >90% Typical
- Finish: Black Anodised to DEF STAN 03-26
- Dimensions: 105 x 83 x 37mm
- Weight: 300g approx.



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