



APPLIED CONCEPTS INC.

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AC7-12-1469

CCFL INVERTER

(For Dual Tube Applications)

PRODUCT DATA SHEET

03/18/04

The AC7-12-1469 is designed to drive 2 CCFLs to a nominal current level of 6.0mA/tube.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of .1V(on) to 4.92V(off) at pin 3 of CON1. (Note specified for 5v supply at

Enable function 5V indicates on, 0V indicates off is provided on pin 4 of CON1

The lamp outputs are open and short circuit protected.

Specifications:

- Vin = +12V +/- 10%
- CCFL strike voltage = 1000Vrms @ Vin=12V
- CCFL tube current =6.0mA/tube @ 100% intensity/Vin=12V)
- Recommended CCFL sustaining voltage = 250Vrms - 450Vrms
- Nominal tube current frequency = 50khz +/- 10%
- Nominal pwm frequency = 98Hz +/- 3%
- Pwm duty cycle range = 0 to 100%
- Average electrical efficiency >87%

Additional control capability:*

- Simple 1 or 2 button intensity control
- CDS ambient light sensor control
- Two-wire(variable resistance) intensity control

* Please contact factory for information

