



APPLIED CONCEPTS INC.

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AC7-12-1448

CCFL INVERTER (For Dual Tube Applications)

PRODUCT DATA SHEET

11/21/03

The AC7-12-1448 is designed to drive 2 CCFL'S to a nominal current level of 6.0mA per tube.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of 3.5V(off) to 0V(full-on) at pin 3 of CON1

Enable function (+5V on, 0V off) is provided at pin 4 of CON1.

The lamp outputs are open and short circuit protected.

Specifications:

- Vin = +12V +/- 10%
- CCFL strike voltage = 1450Vrms @ Vin=12V
- CCFL tube current = 6.0mA/tube @ 100% intensity/Vin=12V
- Recommended CCFL sustaining voltage = 400Vrms - 800Vrms
- Nominal tube current frequency = 54khz +/- 10%
- Average electrical efficiency >88%

Additional control capability:*

- Enable/Disable function
- Simple button intensity control
- CDS ambient light sensor control
- Synchronization to display frame-rate capable
- Two-wire(variable resistance) intensity control
- Serial communication control

* Please contact factory for information

