

APPLIED CONCEPTSING.

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CCFL INVERTER

(For Multiple Tube Applications)

The ACL-12-1129 is designed to power 12 CCFL's to a nominal power level of 43 watts.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of 0V(off) to 5V(full-on) at pin 4 of CON1.

Enable control is accomplished at pin 7 of CON1 (0V=off, 5V=on).

All outputs are open and short circuit protected.

This unit is mechanically and plug-in compatible to the BI220A series Landmark Inverter. Contact factory for your unique electrical requirements.

Specifications:

Vin = +12V +/- 10%

CCFL strike voltage = 1800Vrms @ Vin=12V

CCFL tube current = 6.0mA/tube @ 100% intensity/Vin=12V

Recommended CCFL sustaining voltage = 450Vrms - 750Vrms

Nominal tube current frequency = 41khz +/- 10%

Nominal pwm frequency = 98Hz +/- 3%

Pwm duty cycle range = 0 to 100%

Average electrical efficiency >90%

External PWM signal input control via enable pin

Additional control/capability:*

Supports multiple units ie:Master/Slave(s)

Synchronization to display frame-rate

Low power sleep-mode and soft-start

70 Watt total output power capability @ 70DegC

* Please contact factory for information

ACL-12-1129

PRODUCT DATA SHEET

7/29/03

