

APPLIED CONCEPTS INC.

397 Route 281 - P.O. BOX 453 Tully, New York 13159-0453 Phone: (315) 696-6676 Fax: (315) 696-9923

www.acipower.com

AC2-12-1054

PRODUCT DATA SHEET

8/7/00

CCFL INVERTER

(For Multiple Tube Applications)

The AC2-12-1054 is designed to power 5 CCFL's to a nominal power level of 10 watts.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of 0V(off) to 5V(full-on) at pin 6 of CON1.

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

All outputs are open and short circuit protected.

Meets nominal drive requirements for Landmark C081 Backlight.

Specifications:

Vin = +12V +/- 10%

CCFL strike voltage = 925Vrms @ Vin=12V

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

Recommended CCFL sustaining voltage = 225Vrms - 425Vrms

Nominal tube current frequency = 52khz +/- 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

Output PWM sync signal @ pin 8 of CON1

Additional control capability:*

Supports multiple units ie:Master/Slave(s)

Synchronization to display frame-rate

UL 1950 recognition pending

* Please contact factory for information

