

**APPLIED
CONCEPTS INC.**

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AC5-12-1017

PRODUCT DATA SHEET

CCFL INVERTER
(For Multiple Tube Applications)

2/19/99

The AC5-12-1017 is designed to power 6 CCFL's to a nominal power level of 24 watts.

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

Enable control is accomplished at pin 3 of CON1 (0V=off, 5V=on).

All outputs are open and short circuit protected.

This part is designed to drive the proprietary backlight for Man & Machine Inc.

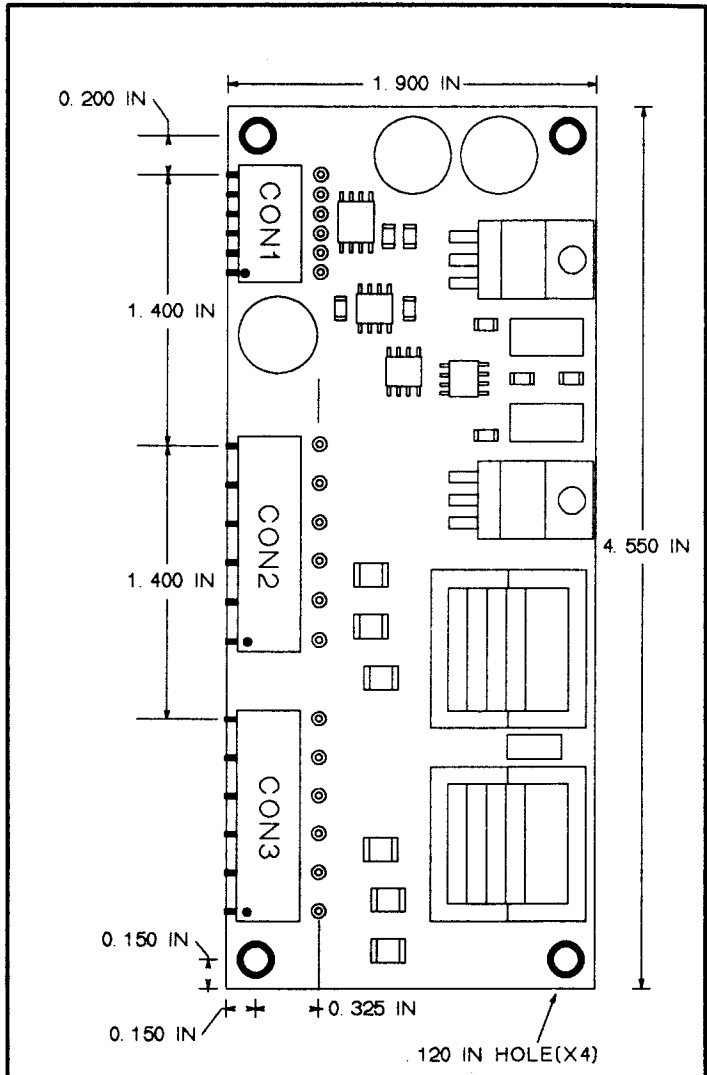
Specifications:

- Vin = +12V +/- 10%
- CCFL strike voltage = 1200Vrms @ Vin=12V
- CCFL tube current = 7.5mA/tube @ 100% intensity/Vin=12V)
- Recommended CCFL sustaining voltage = 425Vrms - 625Vrms
- 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 6 of CON1

Additional control capability:*

- Supports multiple units ie:Master/Slave(s)
- Synchronization to display frame-rate
- Low power sleep-mode and soft-start
- UL 1950 approval pending

* Please contact factory for information



PROFILE = .560 IN

CON1
MOLEX 22-05-3061

CON2(CON3)
MOLEX 22-05-3111

PIN #	
1	+12V
2	GND
3	ENABLE
4	LOGIC HI
5	VCNTL
6	PWM OUT

PIN #	
1	CCFL 3(6)
2	NC
3	CCFL 2(5)
4	NC
5	CCFL 1(4)
6	NC
7	NC
8	NC
9	NC
10	NC
11	CCFL COMMON