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ISO 9001:94  
Registered

## Input / Output Connections

Models: CE300AXE, BXE, CXE  
CE301AXE, BXE, CXE  
CE300AHX

### AC Input:

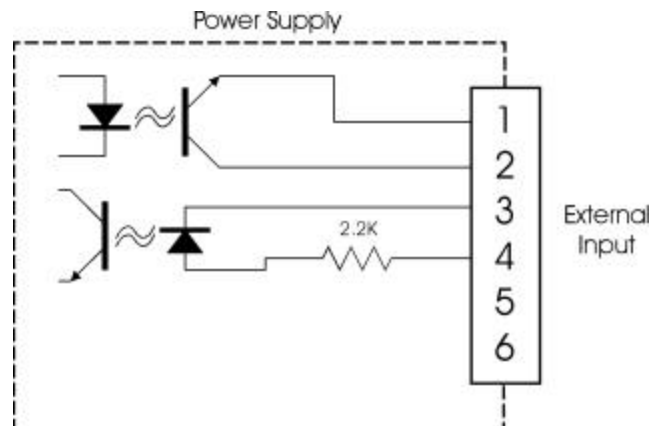
100 - 240 VAC, +/- 10%, 6.5 Arms maximum  
47 - 63 Hz  
0.25" faston-type connectors

### Lamp Output:

0.25" faston-type connectors:  
Male connector for lamp cathode (-)  
Female connector for lamp anode (+)  
Screw terminal connectors (6-32 or M3 screws) also available

### Status and Control Connector:

6-pin, 0.1" spacing, with locking ramp  
Use Molex 10-11-2063 connector or equivalent  
pin 1: Lamp Lit Return  
pin 2: Lamp Lit Output  
pin 3: Enable Return  
pin 4: Enable Input  
pin 5: reserved  
pin 6: reserved



#### Fan Connector:

2-pin, 0.1" spacing, with locking ramp  
Use Molex 22-01-3027 connector or equivalent

#### Current Sense Test Points:

Test points TP3 and TP4 are across a 0.01 ohm resistor that is in series with the output to the lamp. This can be used to monitor output current.

#### Auto-Run Jumper:

Attaching a two-pin shorting block across this connector forces the supply to run as soon as power is applied. The state of the Enable input is ignored.

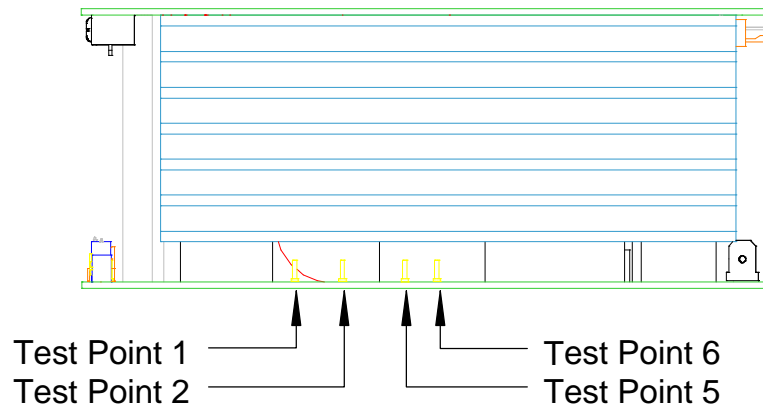
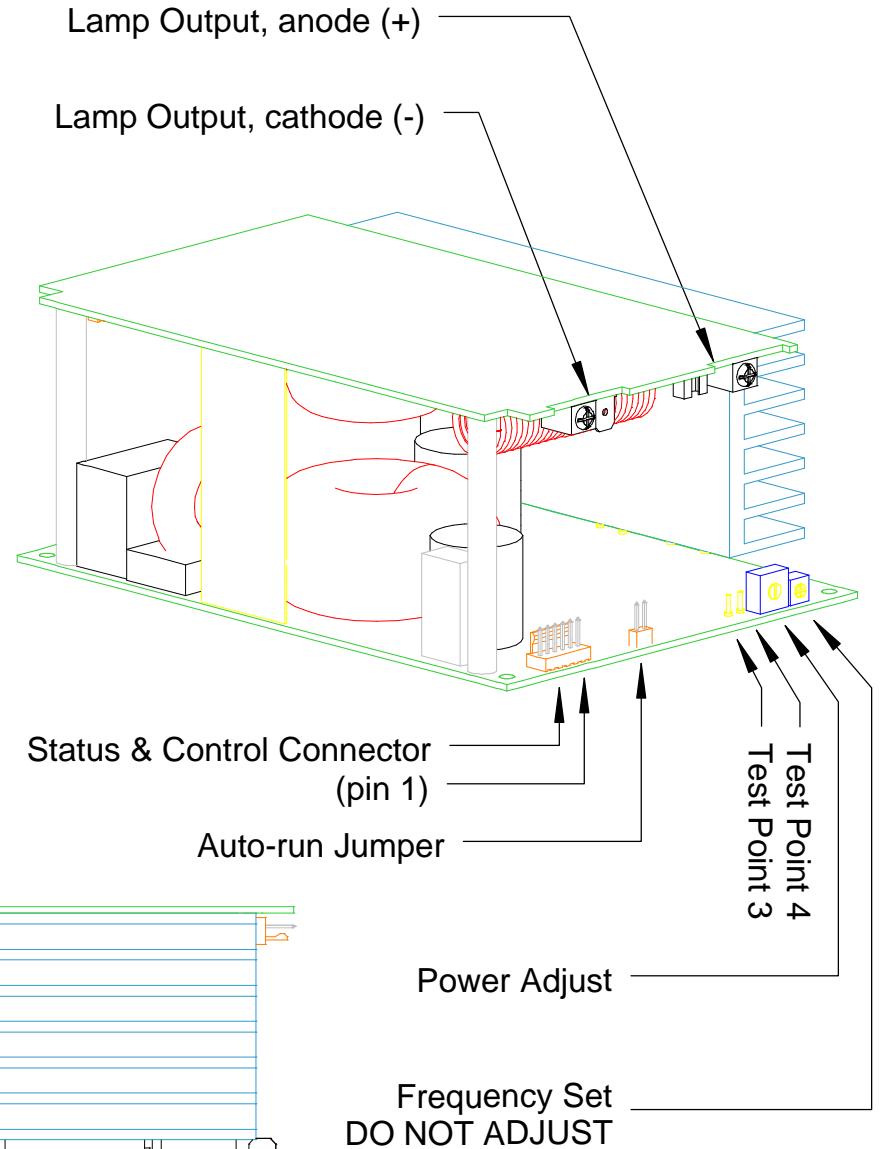
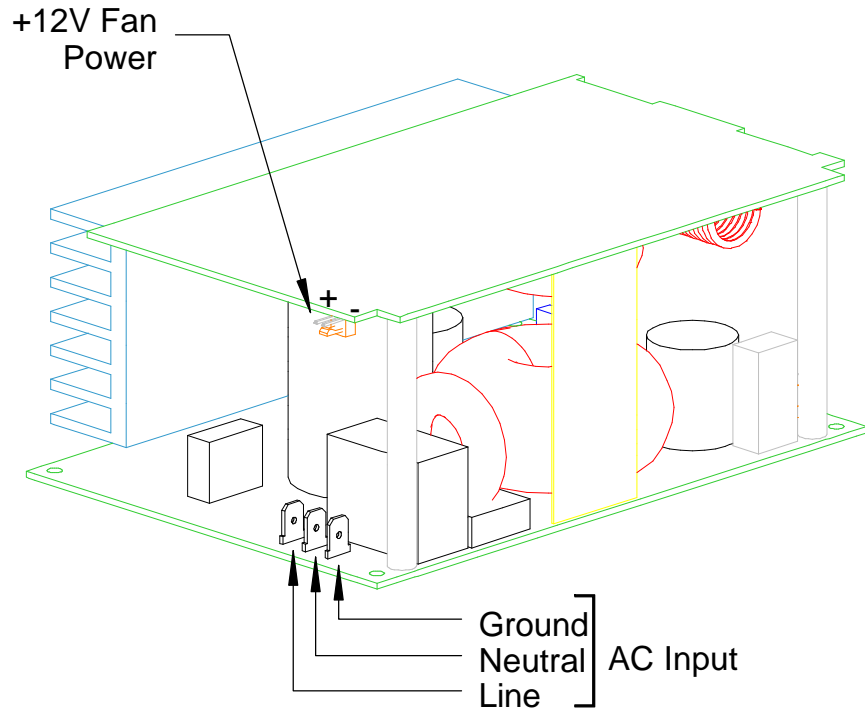
## **Using The Status and Control Connector**

The Status and Control Connector consists of two inputs and one output, each of which is optically isolated. The inputs are designed to be driven by a 12V source. The source used must be capable of supplying 2.0 mA into a 6.2 V load.

The Enable input turns the lamp on and off. A high input to the Enable pin turns on the lamp. The auxiliary +12 V supply runs all the time, regardless of the state of the Enable input. The electrical delay of the enable input is less than 10 ms. To turn on the lamp, the delay of the Enable input must be added to the time to ignite the lamp, which is approximately 100 ms, for a total of 110 ms. Turning off the lamp takes only 10 ms.

The Lamp Lit output is a transistor that is on when current is flowing to the lamp. The collector current will be greater than 3.0 mA when the lamp is on. A 2.2K ohm resistor pull-up will create a TTL-compatible signal. The delay from light output from the lamp to the Lamp Lit output being asserted is less than 10 ms.

# CE300 Connection Diagram



# CE 300 Mounting Dimensions

Dimensions are in inches (mm in parenthesis)

