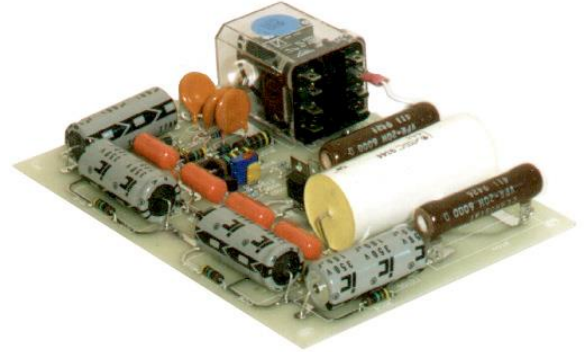


## CW ARC LAMP IGNITER MODULE

- DESIGNED TO MEET EN60601-1
- 1000 VDC OPEN CIRCUIT VOLTAGE
- 775 V, 300 mJ TRIGGER FOR SERIES OR PARALLEL TRANSFORMER
- SLOW CAP RESERVOIR DISCHARGE TO MAINTAIN LAMP ARC



### DESCRIPTION:

The **Model 592T** CW Arc Lamp Igniter Module is designed to meet the European Medical Equipment Standard, EN60601-1. The **Model 592T** igniter provides 1000 VDC from an on-board capacitor reservoir to assist in the ignition of CW arc lamps. Simultaneously, the module provides 775 V, 300 mJ pulses to energize a series or parallel/external trigger transformer. The **592T** is designed to derive its input power from AMI's **590 Series** of CW power modules, but it can also be supplied by a outside AC source. When a trigger pulse is applied to a trigger transformer and initiates lamp conduction, the 1000 VDC applied across the lamp slowly discharges, maintaining lamp conduction until the **590 Series** power modules can sustain a regulated arc.

### SPECIFICATIONS:

<b>Input</b>	350 V square wave at 20 kHz and 24 V at 100 mA typical (when used with AMI Model 591A CW Power Supply).	<b>Connections</b>	Boost/Trigger Power Spade connectors Relay spade contacts
<b>Output</b>		<b>Size/Weight</b>	
Boost	1000 VDC, open-circuit voltage	Igniter PCB	7.0" x 5.0" x 2.0" 2 lbs. (0.9 kg)
Trigger	775 V, 300 mJ trigger every 5-12 seconds	Transformer (-45)	3.90" x 3.25" x 3.86" 4.45 lbs. (2.02 kg)
Trigger Transformer (optional, additional fee)	20 kV bi-polar, 45 A DC, (Add -45 to part number.)		
<b>Temperature</b>	0° to 40° C		



*Specifications subject to change without notice.*

### APPLICATIONS:

*CW Arc Lamp Igniter for CW Arc Lamp Systems,  
CW YAG Laser Igniter*

		MODEL NUMBER
		BOOST 1000 VDC
		TRIGGER 775 VDC, 300 mJ
INPUT VOLTAGE	350 V, 20 kHz square wave and 24 VDC at 100 mA typical	<b>592T</b>

Typical Part Number: **592T** = Boost Voltage: 1000 VDC  
 Trigger Voltage: 775 V at 300 mJ

Requires a Customer Supplied Trigger Transformer

**NOTE:** Add -200 to part number if used with 590 Series power module powered from 200 VAC service.

