



Unison Authorized Distributor
(561) 394-5818 Main • (561) 393-7098 Fax
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Solid State Ignition Solutions



Customer Supply Chain Simplification

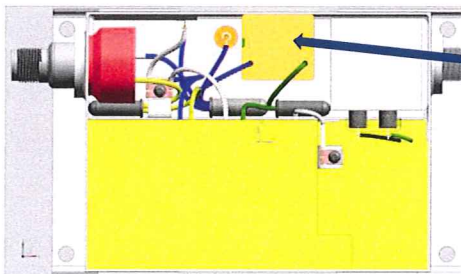
- Removes logistics cost barriers with handling and storage of traditional spark gap exciters
- Compliance with country and operator regulatory rules

Form, Fit, Functional Alternate for Current Unison Exciter

Unison's solid State ignition addresses radioactive regulatory limitations customers are experiencing that drive additional cost and time to engine; Unison is providing a proven solution to meet this growing need.

Exciter Certifications

- Meets applicable European Union (EU) directives on all components
- IECEx certification in process (expected Oct. 2016)



Radiation-Free Solid State Module

Left: LM2500 Exciter detailing Solid State Module in place of Spark Gap

Unison has grown from a world-class ignition company that reliably starts more than 100,000 industrial and aircraft engines every day, into a worldwide leader in ignition technology, which is why Unison is igniting today and tomorrow.

Unison Industries

7575 Baymeadows Way • Jacksonville, FL 32256
904-739-4000 • www.unisonindustries.com

Cage Codes: 59501, 96941, 83311

Exciter Specifications

Temperature Range

Exciter Operating Temperature Range -65°F to 250°F (operating), -65°F to 325°F (non-operating)

Voltage and Power

Input Voltage 115 V 60 Hz single phase (also operates reliably over voltage range with 50 Hz supply)

Open Circuit Output Voltage 15-20 kV

Output Single channel

Cycle, Rate and Energy

Duty Cycle 90 seconds on, 90 seconds off, 90 seconds on, and 25 minutes off in a maximum temperature environment of 180° F

Spark Rate 2.0 ± .75 sparks per second

Delivered Energy 2 Joules maximum

Operating Conditions

Altitude -2,000 to 45,000 feet

Relative Humidity 0 to 100% within operating temperature range

Ship Maneuver Forces When mounted on an intermediate bracket meets any number of maritime forces within specified limitations

Typical Dimensions 3"x9"x6" (Hermetically Sealed)

Input Connector MS33678-125-3P (2 pin connector)

Output Connector Output: Type 3, ARP670



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Unison, with more than 40 years of continuous ignition development, in close collaboration with customers, Unison continues to introduce technologies that exceed performance expectations. The new Solid State (radiation-free) ignition system for the LM series of engines is form, fit, and functionally equivalent to the current ignition exciter.

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