Integrated High Energy Ignition Exciter and Flame Safety System

Get Real-Time Results From A Single System
The Chentronics FastFlame system provides High Energy ignition and flame detection simultaneously. Our patented, fully integrated, state-of-the-art technology provides ignition and flame confirmation at the very first moment a flame becomes present. All from one system.

Accurate Results Without The Wait
Old ignition and flame-detection technology either employed independent systems to perform each task or—if combined in one electronic platform—the ignition and flame assurance weren’t simultaneous. If the igniter failed to light the fuel, the flame detector would have to cycle to indicate “no flame,” then start the entire process over again. The FastFlame system eliminates this time lag.

- A single set of fully-integrated electronic hardware implements ignition and flame detection in parallel
- Flame detection is simultaneous with flame presence
- No waiting for each process to cycle saves critical seconds
- Flame-proving window can be shortened by up to half the time

The FastFlame system is available in two configurations:
- A separate igniter and flame rod detector
- Our patent-pending integrated igniter/flame rod detector

With FastFlame, you can get High Energy ignition and reliable flame detection simultaneously. That’s smart. That’s JZHC.
Hardware Specifications
Exciter/Probe Electronics
- Aluminum enclosure, NEMA 4X, IP66, explosion proof
- Class I, Div 2, Groups B, C, D, T5

Size
- Approx. 7.5” x 7.0” x 5.0”

Weight
- Approx. 5.0 lb.

Input Power
- 100-240 VAC, 50-60 Hz

Stored Energy
- 1.5 Joules minimum

Spark Rate
- 5 sparks-per-second

Temperature
- Operational -25°C to 85°C

SPARK INDICATION LED
- BLUE ON SOLID: Spark fault/open circuit
- BLUE FLASHING: Spark currents detected
- OFF: Exciter in STBY Mode

FLAME INDICATION LED
- GREEN: Flame detected
- RED: No flame
- OFF: Unit has no power

Get real-time results
with High Energy ignition and simultaneous flame detection system.
Get FastFlame.