

# **FastFlame**<sup>™</sup>

## **Simultaneous High Energy Ignition And Flame Detection System**

### **GET REAL-TIME RESULTS FROM A SINGLE SYSTEM.**

FastFlame 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. The systems were asynchronous and could only perform one operation at a time. If the igniter failed to light the fuel, you would have to wait for the flame detector to cycle and indicate "no flame," then start the entire process over again. With FastFlame, a single set of fully-integrated, compact electronic hardware implements ignition and flame detection in parallel. The instant you have confirmed flame is the same instant flame becomes present. With no waiting for each process to cycle, critical seconds are saved. This could shorten your flame-proving window to half the time.

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



## **FastFlame**<sup>™</sup>

### **FLEXIBLE OPERATION TO FIT YOUR NEEDS.**

FastFlame not only delivers accurate, rapid flame confirmation, it gives you a choice of how to configure the system. You have the option of configuring FastFlame as a separate igniter and flame rod detector or as our patent-pending integrated igniter/flame rod detector.



Chentronics is an ISO 9001:2015 Certified, global leader with 40 years of innovative ignition and flame assurance solutions for natural gas, light oil, diesel and residual fuel.



## HARDWARE SPECIFICATIONS.\*

### EXCITER/PROBE ELECTRONICS

+ Aluminum enclosure, NEMA 4X, IP66, explosion proof

### 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

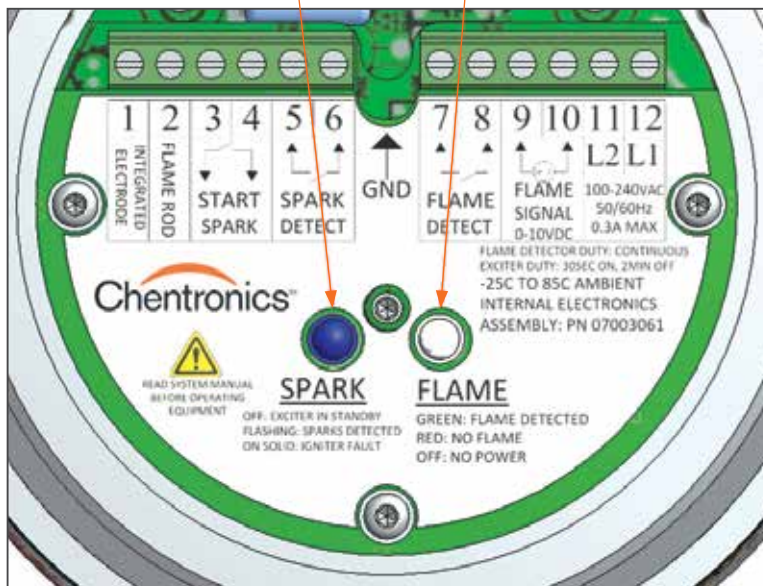
+ Operational -25°C to 85°C

#### 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



FastFlame High Energy ignition and flame detection indicators.

\* Specifications subject to change at any time.



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