The ZEECO® ProFlame™ integrated flame scanner revolutionizes the industry by providing reliable flame detection and superior background flame discrimination for safer operation. Easily configurable set points using intuitive PC-based software also allows for in-depth flame analysis.

**Design Features and Benefits**
- UV or IR models available. Front mount or fiber optic available
- Compact, fully integrated and exceptionally reliable
- State-of-the-art digital signal processing for easy flame analysis
- Easily configurable frequency and gain settings for simple set-up
- Intuitive PC-based software to assist in troubleshooting
- Microprocessor-based with electronic self-check for SIL3 applications
- Durable housing for a variety of operating environments
- Reliable 0/4-to-20 mA flame intensity output

**Operating Environment**
- Temperature: -20°C (-4°F) to +70°C (158°F)
- Relative humidity: 0% to 95% non-condensing
- Environmental protection rating: IP 65, NEMA 4X
- Hazardous rating: II 3 G Ex nA IIC T4
- Weight: 3.3 Lbs (1.5 kg)
- Mounting: 1” NPT F (BSP available)
- Housing material: aluminum, painted finish
- Cable: quick disconnect, 8 conductor cable
Operating Parameters - Input

**Input voltage**
Supply voltage: 24V dc ± 10%-15%
Power consumption: 4 W

**Purge air**
Cool, dry, clean air: 5 scfm (142 l/min) at 5” wc (12.5 mbar) above windbox or furnace pressure (sight tube exit point), ≤ 38°C (100°F) at wye fitting

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Operating Parameters - Output

- Output relay: SPDT, Flame-On is the N.O. contact and Flame-Off is the N.C. contact
- Contact rating: 48V dc at 1.0 A
- Flame intensity output: 0/4 to 20 mA referenced to 24V dc common; 250Ω max load resistance
- Flame status indication: Yellow LED for local Flame-On indication and Green LED for intensity. Flame signal trending, flame relay, marginal relay, flicker frequency, flame amplitude and raw signal analysis via PC-based scanner software.

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The Zeeco Difference

Our only business is the combustion business. By concentrating on what we do best, Zeeco has grown into a worldwide leader in combustion solutions. We are a privately held company whose ownership stays highly involved in daily operations, with upper management comprised of the world’s leading combustion experts.

When you call Zeeco, we answer. When you make a request, you get a quick, efficient response. We are lean and efficient, able to make decisions quickly, without bureaucracy and red tape. Our sales, engineering, and purchasing groups work hand-in-hand to deliver highly competitive quotes and heroic turnaround times. We stand ready and willing to travel anywhere in the world to discuss upcoming projects firsthand, and to ensure that every existing project runs seamlessly.

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Visit [zeeco.com](http://zeeco.com) for additional Global Location contact information

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