



# ProFlame+™ Utility Grade Flame Scanner

**Model ZPF-1100UV / Model ZPF-1100IR / Model ZPF-1100DS**

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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
- 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
- Independently adjustable Flame-On and Flame-Off response times: 1-6 sec.
- 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 66, NEMA 4X
  - Hazardous rating: II 2 G Ex d IIC T6; II 2 D IP 66 T 80°C
  - Weight: 8.8 Lbs (4.0 kg)
  - Mounting: 1" NPT F (BSP available)
  - Housing material: aluminum, painted finish
  - Cable: fixed 10' (3m) long 8 conductor cable
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BURNERS



FLARES

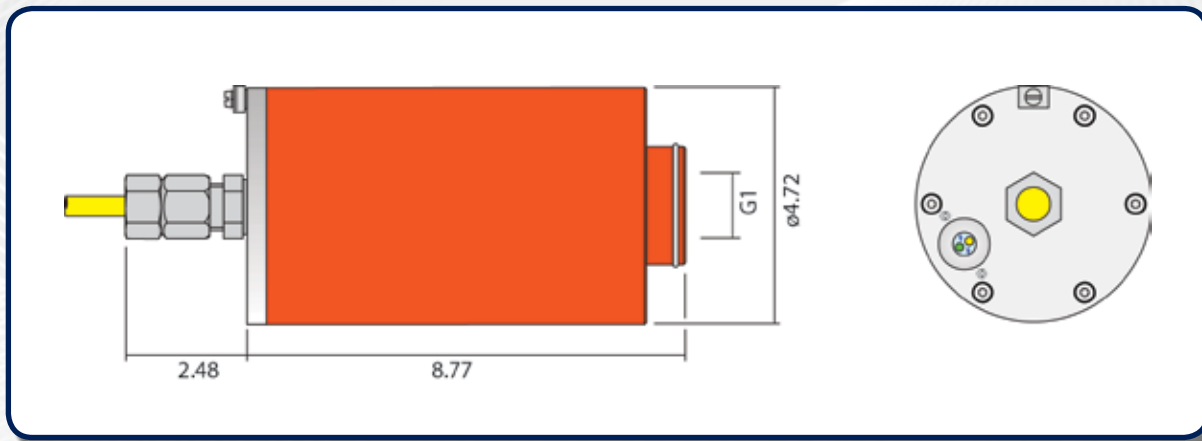


INCINERATORS



PARTS & SERVICE

# Model ZPF-1100UV / Model ZPF-1100IR / Model ZPF-1100DS



## 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

## 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.

ZEECO® combustion and environmental solutions are designed and manufactured to comply with applicable local and international standards as defined by our customers.



REGISTERED  
ISO 9001: 2008

CERTIFICATION APPLIES TO ZEECO HEADQUARTERS ONLY.

### Zeeco Global Headquarters

22151 East 91st Street

Broken Arrow, Oklahoma 74014 USA

Phone: +1 918 258 8551

Fax: +1 918 251 5519

E-mail: [sales@zeeco.com](mailto:sales@zeeco.com)

[Zeeco.com](http://Zeeco.com)

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