

Phoenix 2 Integrated Scanners



Integrated Scanners

The Fireeye Phoenix Series 2 type 85UVF/IRF flame scanners are microprocessor-based devices utilizing a solid-state flame detection sensor.

The Phoenix flame scanners incorporate an internal flame relay with automatically set ON/OFF thresholds, thereby eliminating the need for a remote flame amplifier or flame switch.

Phoenix scanners detect the amplitude of the modulations (the flame “flicker”) that occur within the targeted flame, over a wide frequency. During the scanner setup procedure, the amplitudes of the target flame are automatically stored by the flame scanner, together with optimum ON/OFF criteria. The appropriate sensor gain is automatically selected. Phoenix scanners incorporate full self-diagnostics and electronic self-checking.

The Phoenix 85UVF/IRF flame scanner is powered by 24Vdc. Electrical connection is via an 8-pin electrical quick-disconnect (QD). An analog 4 to 20mA output of flame strength is standard.

Typical 85UVF Applications

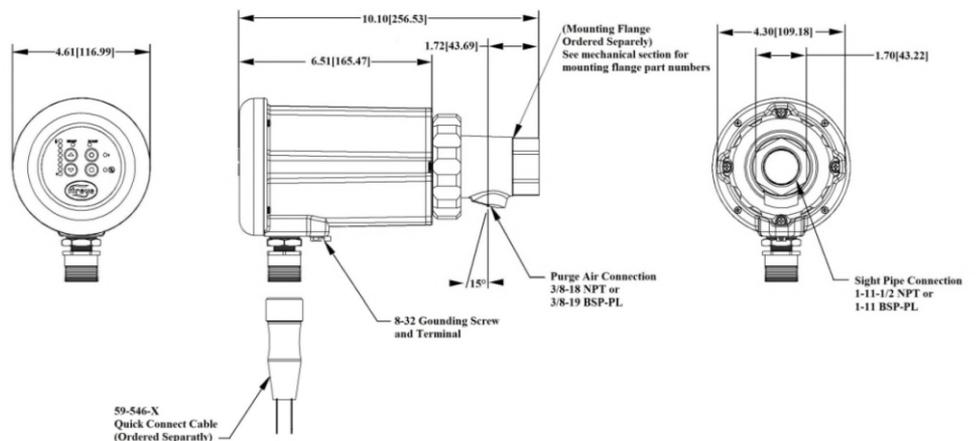
Fireeye Phoenix 85UVF self-checking scanners are used to detect 295 to 340 nanometers wavelength ultraviolet emissions.

- Duct Burners
- Industrial Gas Burners
- Refinery Applications
- Low NOx Burners
- Waste Gas Units
- Incinerators

Typical 85IRF Applications

Fireeye Phoenix 85IRF self-checking scanners are used to detect 830 to 1100 nanometers wavelength infrared emissions.

- Duct burners
- Industrial gas and oil burners
- Refinery gas applications
- Low NOx detection
- Continuous or non-continuous burner operation



For more information, contact your local Sales Representative
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