

InSight® Series 4 Flame Scanners



95UVS4 & 95IRS4

Integrated microprocessor flame scanners with solid-state infrared (IR) or ultraviolet (UV) sensors

The Fireeye InSight® Series 4 flame scanners (parts #: 95UVS4 & 95IRS4) are part of an established family of versatile fully microprocessor based, integrated flame scanners. The InSight Series 4 scanners hold multiple worldwide safety agency approvals (refer Fireeye Bulletin CU-120 for details). The InSight Series 4 scanners utilize advanced techniques for discrimination and integrate the flame detection, amplification, safety determination and flame switch functions into a single detection head. No separate amplifier or flame switch module is therefore required to interface with the main burner management system.

The InSight Series 4 scanners incorporate the superior detection and discrimination elements of the popular InSight II product with some enhanced features. The scanner measures the amplitude of the modulations (the flame "flicker") that occur within the targeted flame. During the scanner set-up procedure, the modulation frequency that yields the best flame ON/OFF discrimination is selected. The appropriate modulation frequency and sensor gain can be either manually or automatically selected. InSight Series 4 scanners are solid state detectors utilizing either a UV or IR detector, and two different available connectors which are compatible with either the 59-608, 59-547 and 59-497 (-1WINC models only) cables.

Features

- Solid state dual UV and IR sensors
- Flame relay
- Fault relay
- 4-20mA outputs
- Four memory files
- Auto or manual configuration
- SIL 3 certified

Options

- Remote communication (Remote programming)
- ATEX / IECEx ExdIIC T6 versions
- Marine grade stainless steel versions
- Fiber optic compatible

