

# InSight II Flame Scanners



## 95DSS3

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

The Fireye InSight® II flame scanners (part #: 95DSS3) are versatile, fully microprocessor-based, integrated scanners. All InSight II flame scanners have been approved by multiple worldwide safety agencies (refer to Fireye Bulletin CU-113 for details). The InSight II 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 scanners measure 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. The InSight II scanners are dual cell and utilize UV and IR detectors and various levels of housing type including NFPA 70 (NEC Class I Div 2) and ATEX ExdIIC.

### Features

- Solid state dual UV and IR sensors
- Two flame relays
- Fault relay
- Two 4-20mA outputs
- Four memory files and automatic file switching
- Auto configuration
- SIL 3 certified

### Options

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

