



- Senses UV and IR radiation for extremely fast fire detection
- Fire Event Analysis (FEA) algorithm for superior false-alarm immunity
- 120° field of view and 250ft long range detection
- Automatic through-the-lens diagnostic self-test
- Weather and explosion proof enclosure

Overview

The model 3986 UV/IR flame detector is designed to detect unwanted fires, and output appropriate alarm information. The model 3986 senses ultraviolet radiation and infrared radiation in the appropriate wavelengths for very early fire detection. Using the patented Fire Event Analysis (FEA) algorithm, it is also able to distinguish between real fire and non-fire events providing superior false alarm immunity. The technology has proven itself over decades of reliable service.

The model 3986 is available in two versions, one for hydrocarbon fires only, and one for hydrocarbon and certain non-hydrocarbon fires. This dual capability provides the unique capability of providing fire detection for a broad range of fuels with a single unit. Both versions are available with an automatic self-test function to monitor the detector's ability to sense fires and report a fault condition when impaired. Typical applications for the model 3986 UV/IR flame detector are refineries, turbine enclosures, petrochemical plants, tank farms, powerplants, compressor stations, LPG facilities, LNG facilities, and hangars.

Features & Benefits

- Fire Event Analysis (FEA) algorithm for superior false-alarm immunity.
- Field of view 120 degrees.
- Robust, weatherproof enclosure for indoor or outdoor applications (Type 4X).
- Advanced through-the-lens diagnostic self-test.
- Field configurable relays and sensitivity.
- High intensity, localized indication of fire or fault.
- Five-year warranty on sensors from date of delivery. Three-year warranty on components or manufacturing defects from date of delivery.
- Long range detection.
- FM, CSA, IECEx, ATEX, SIL2, EMC, LVD.
- Self-contained, explosion-proof enclosure.
- State-of-the-art microprocessor control.

