

## 20/20 “Mini” Flame Detector



### Product Overview

The 20/20M Mini Series Flame Detectors are high performance, unique IR3 and UV/IR flame detectors featuring lower cost, lower power, and more compact structures. The mini detectors are highly resistant to harsh environments, immune to false alarms and are designed for use in OUTDOOR or INDOOR applications. The IR3 model is also available as intrinsically safe (I.S.) approved format. Ideal for :

- Automotive parts manufacturing
- Burners, boilers, and heaters
- Car parking towers and garages
- Chemical industry
- Power generation – pumps, generators and unmanned stations
- Recreational and sports arenas (facilities)
- Storage areas

### Standard Features

- Immune to False Alarms
- Large Field of View (100° horizontal/vertical)
- Low Power Consumption
- High-Speed Response
- Standard 4-Wire Connection
- 4-20mA Sink or Source (3-4 wires)
- Configuration: RS-485 Modbus Compatible Automatic and Manual
- Built-In-Test (BIT) User-Programmable Function Configurable via software from a PC or handheld device
- MTBF Minimum 100,000 Hours
- 3 Year Warranty

## 40/40I Triple IR (IR3) Flame Detector



### Product Overview

The new 40/40I, a multi spectrum based on three IR bands (IR3), detects fuel and gas fires at long distances with the highest immunity to false alarms. The 40/40I IR3 can detect a 1 ft2 (0.1m2) gasoline pan fire at 215 ft (65m) in less than 5 seconds. The 40/40I is the most durable and weather resistant flame detector currently on the market. Its new features include a heated window, to eliminate condensation and icing; HART capabilities for digital communications; lower power requirements; and a compact, lighter design. Ideal for:

- \* Power Generation facilities
- \* Pharmaceutical Industry
- \* Printing Industry
- \* Warehouses

### Standard Features

- Multi spectrum design - for long distance detection and high false alarm immunity
- Sensitivity selection - to ensure no zone crossover detection
- Automatic and Manual Built-In-Test (BIT) - to assure continued reliable operation
- Heated window - for operation in harsh weather conditions (snow, ice, condensation)
- Multiple output options for maximum flexibility and compatibility
- 5-Year Warranty

## 40/40L Flame Detector



### Product Overview

Model 40/40L (or LB, with Built-in-test option) provides a combination of UV and IR sensors, where the IR sensor operates at a wavelength of 2.5-3.0 μm, and can detect hydrocarbon-based fuel and gas fires, hydroxyl and hydrogen fires, as well as metal and inorganic fires.

The UV/IR flame detector senses radiant energy in the short wave section of both the ultraviolet and infrared portions of the electromagnetic spectrum. The signals from both sensors are analyzed for frequency, intensity and duration. Ideal For:

- \* Onshore Oil & Gas installations and pipelines
- \* Chemical plants
- \* Petrochemicals plants

### Standard Features

- Fast Response - 200 msec to flash fire
- Solar blind
- Automatic Built-In-Test (BIT)\* and Manual - to assure continued reliable operation
- Heated window - for operation in harsh weather conditions (snow, ice, condensation)
- Multiple output options for maximum flexibility and compatibility
- Approved to Safety Integrity Level 2 (SIL2 – TUV) model 40/40LB only
- 5-Year Warranty