UV Only Flame Detector
Model F110

The SST Model F110 Ultraviolet Flame Detector detects flames by sensing the ultraviolet (UV) radiation produced during a combustion process. This traditional method of detection is effective inside buildings and enclosures where the detector is isolated from sources of false alarms such as lightning and arc welding.

- Provides rapid detection of flames
- Uses UV sensor that is sun blind
- Adjustable sensor sensitivity
- Automatic optical self-test
- Relay contacts for control or shutdown of external equipment
- 24 volt DC nominal operating voltage
- Available time delay settings
- 5 Year Warranty
- Made in the USA

UV/IR Flame Detector
Model F120

The SST Model F120 UV/IR Flame Detector is a sophisticated, self-contained, optical flame detection system for indoor or outdoor applications. It detects flames by sensing the ultraviolet (UV) and infrared (IR) radiation produced by a flame.

- Not blinded by dense smoke
- The outputs are either voted automatically, or can be manually selected by the customer
- Selected outputs can either be for UV only, IR only, Temperature, or any two out of three combination. This “voting” capability is what sets this detector apart from any other UV/IR flame detector.
- Automatic optical self-test
- High current relays for control or shutdown of external equipment
- 24 volt DC nominal operating voltage
- Available time delay settings
- 5 Year Warranty
- Made in the USA

Multi-Spectrum IR Flame Detector
Model F130

The SST Model F130 Multi-Spectrum IR Flame Detector is a high performance and high reliability self-contained multi-spectrum IR flame detector designed for indoor and outdoor hazardous applications. The flame detector’s latest state-of-the-art processor and circuitry are housed in an aluminum powder coated explosion-proof enclosure and provides superior false alarm immunity and the highest level of flame sensitivity as well as the optimal rejection of false alarms.

- Multi-spectrum design with high false alarm immunity and fire sensitivity
- Long detection range
- Automatic optical self-test
- Relay contacts for control or shutdown of external equipment
- 24 volt DC nominal operating voltage
- 5 Year Warranty
- Made in the USA
**Standard Features**

**HOUSING**
All of SST’s flame detector models are self-contained in a two-piece explosion proof copper-free aluminum housing. It is suitable for use in “classified” areas where ignitable concentrations of flammable gas normally exist. Also available in stainless steel housing.

**ALARM SETTINGS**
Each electronics includes three (3) dry contact relays, two for alarm and one for fault, and a 0 to 20 mA current output. Alarm and status conditions may be transmitted by the detector to a central control room over a single wire using the 0 to 20 mA current loop. Alarm and status indications may also be transmitted remotely using relay contacts.

**ADJUSTABLE SETTINGS**
Each flame detector models responds to a flame with a variety of sensitivity and time delay scenarios. A multiposition jumper plug sets the detector for the most appropriate mode, such as quickest response, or specifically tuned to the exact conditions at your particular installation.

**AUTOMATIC SELF-TEST**
Periodically, each flame detector runs the Automatic Self-Test routine and tests the outside surface of the viewing window as well as the sensor and electronics to ensure it is functioning properly. Should the self-test of the window be degraded, or other circuit malfunctions detected, a Malfunction (relay and current loop) will be signaled and the yellow fault LED will illuminate.

**POWER SUPPLY**
The flame detectors operate using 24 volt DC nominal operating voltage.

**WARRANTY AND ORIGIN**
All Safety Systems Technology Flame Detectors come with our standard 5 years warranty and are designed, engineered, and Made in the USA.

**AVAILABLE ACCESSORIES**
Available accessories include mounting brackets, sun shield, portable flame detector test equipment, and power supplies.

For other features and technical data, please visit our website at www.safetysys.com

Engineered for Quality and Reliability
www.safetysys.com