

Intellia Flame Detector IR3 55000-024APO

Instruction Sheet
R10110GB0



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1 Intellia Flame Detector IR3 55000-024APO

1.1 Intellia base mounted flame detectors

The Intellia base mounted Flame Detectors are designed to protect areas where open fires may be expected.

The Intellia series of products are all compatible with the ALC-board of an Esmi Sense FDP and FX 3NET panel.

There are three types of flame detectors available

1. UV Flame Detector
2. UV/Dual IR Flame Detector
3. Triple IR Flame Detector

1.2 Features

Intellia Flame Detector IR3 55000-024APO (FFS06725285) has three IR sensors that respond to different IR wavelengths in order to discriminate between flames and spurious sources of radiation.

- Responds to stationary flames with no flicker
- Sensitive to low-frequency flickering IR radiation emitted by flames during combustion
- Compact flame detector which can fit into Discovery or XP95 bases
- Loop-powered
- False alarms due to factors such as flickering sunlight are avoided by a combination of filters and signal processing techniques

1.3 Applications

The triple IR flame detector is also fast reacting but is also tolerant of fumes, vapours, steam, dust and mist, while being unaffected by the phenomena listed above. It may, however, be affected by modulated IR radiation. Triple IR flame detectors are used in waste handling, colour printing and paper manufacturing.

1.4 Field of view

The field of view of the flame detector is shown in Figure below. This also provides information on the size of fire detectable at various distances.

