

Intellia UV Flame Detector

55000-022APO

Instruction Sheet
R10095GB0



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1 Intellia UV Flame Detector 55000-022APO

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 UV Flame Detector 55000-022APO (FFS06725283) has a single UV sensor with a narrow spectral response in order to discriminate between flames and most spurious sources of radiation.

- Responds to stationary flames with no flicker
- Sensitive to UV radiation emitted by flames during combustion
- Compact flame detector which can fit into Discovery or XP95 bases
- Loop-powered

1.3 Applications

UV flame detectors are used when detection is required to be unaffected by convection currents, draughts or wind. These include engine rooms in ships, factories affected by draughts or wind and warehouses.

They are fast reacting and respond to a flame more than 25 m away. The UV flame detector is affected by arc welding, electrical sparks, lightning, nuclear radiation and UV light sources. For applications where these phenomena are present a UV flame detector should not be used.

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.

