![Ampac logo]

Fire detection and evacuation solutions that save lives.

Intelligent Base Mounted UV Flame Detector

Features

- Responds to stationary flames with no flicker
- Sensitive to UV radiation emitted by flames during combustion
- Compact flame detector fits standard XP95 bases
- Loop-powered

Description

Flame detectors are effective in protecting areas where flaming fires may be expected. UV flame detectors are generally used in engine rooms, factories and warehouse applications.

The Intelligent Base Mounted UV Flame Detector is designed to protect enclosed indoor areas where open fires may be expected. The detector has a fast acting response to flames up to 25m away and is equipped with a single UV sensor with a narrow spectral response in order to discriminate between flames and most spurious sources of radiation.

The UV detector is sensitive to ultraviolet radiation emitted by flames during combustion. Since it requires only UV radiation the detector responds even to stationary flames with no flicker like cigarette lighters and blue gas flames.

The detector is set to respond to ultraviolet radiation (185nm – 260nm) emitted by almost all flames, including those invisible to the naked eye e.g. Hydrogen Flames. The detector has a single UV sensor with a narrow spectral response in order to discriminate between flames and most spurious sources of radiation and is designed for internally fully enclosed areas. UV flame detectors are used when detection is required to be unaffected by convection currents, draughts or wind.

Intelligent Base Mounted UV Flame Detectors are fast reacting and can respond to a flame more than 25m away. The UV flame detector is affected by ARC welding, electrical sparks, lightning, nuclear reactor radiation and UV light sources. For applications where these phenomena are present a UV flame detector should not be used.

The Intelligent Base Mounted UV Flame Detector can be installed on a ceiling, positioned above the anticipated flame source or at the centre of the area to be protected, perpendicular to the floor below. If the Detector cannot see the whole of the area to be protected, one or more additional detectors may be required.

Intelligent Base Mounted UV Flame Detector

Item Numbers	
Australia	
201-0130	XP95 Base Mounted UV Flame Detector
201-0186	Bracket for Base Mounted Flame
International	
55000-022APO	XP95 Base Mounted UV Flame Detector
29600-458	Bracket for Base Mounted Flame

Specifications	
Supply Voltage	17-28V DC
Quiescent Current	2.3mA
Alarm Current	4.2mA
Field of View	90° Cone
Dimensions inc base	100mm Dia x 48mm H
Spectral Response	UV 185 to 260nm
Operating Range	0.1m² n-heptane at 25m
Operating Temperature	-40°C to +70°C
Relative Humidity	0 – 95% non-condensing
IP Rating	IP23D (indoor use)
Weight	210g inc base