

Fire detection and evacuation solutions that save lives.

XP95 Intelligent Dual IR2 Flame Detector

Features

- Detects through films of oil, dust, water and ice
- Responds to flickering flames, including those invisible to the naked eye
- Compatible with Discovery and XP95 protocols
- Remote optical self-test function
- Loop-powered
- 90° field of view
- Up to 40m coverage
- IP65 rated

Description

Flame detectors are effective in protecting areas where flaming fires may be expected. The Dual IR2 Flame Detector is sensitive to low frequency, flickering infra-red radiation emitted by flames during combustion. False alarms due to such factors as flickering sunlight are avoided by a combination of filters and signal processing techniques.

IR flame detectors are able to tolerate dirtier environments which may block UV radiation and are generally used in applications such as waste handling, colour printing and paper manufacturing.

The XP95 Intelligent IR2 Flame Detector is designed for harsh environments in indoor applications. The detector has two sensors which respond to different IR wavelengths to discriminate between flames and spurious sources of radiation.

The XP95 Intelligent IR2 Flame Detector is loop powered and needs no external supply. The flame detector should be positioned at the perimeter of the room, pointing directly at the area of the anticipated flame or at the centre of the area to be protected. If the Flame Detector cannot see the whole of the area to be protected, one or more additional detectors may be required.

Applications

Flame detectors are used when detection is required to be unaffected by convection currents, draughts or wind, tolerant of fumes, vapours, steam, dust and mist, and responsive to a flame more than 25m away and fast reacting.

- Agriculture – grain and malt processing , animal feed manufacture
- Aircraft Hangars
- Automotive industry – spray booths, parts manufacture
- Chipboard and MDF manufacture
- Metal fabrication and Power Plants



Intelligent IR2 Flame Detector

Item Numbers

Australia

201-0169	XP95 Dual IR2 Flame Detector
201-0189	Flame Detector Bracket
201-0190	S/Steel Weather Shield

International

55000-280APO	XP95 Dual IR2 Flame Detector
29600-203	Flame Detector Bracket
29600-206	S/Steel Weather Shield

Specifications

Supply Voltage	17-28V DC
Quiescent Current	2.2mA
Alarm Current	4.2mA
Dimensions inc base	142 x 108 x 82mm
Cable Gland Entries	2 x 20mm
Operating Range	0.1m ² n-heptane at 25m
	0.2m ² n-heptane at 35m
	0.4m ² n-heptane at 45m
Operating Temperature	-10°C to +55°C
Relative Humidity	0 – 95% non-condensing
IP Rating	IP65
Weight	2kg