

XP95

Exd Flame Detector (IR2) - Flameproof



Product Overview

Product	XP95 Exd Flame Detector (IR2) - Flameproof
Part No.	55000-295
Digital Communication	XP95 Native, Discovery Compatible

Product Information

The XP95 Exd Flame Detector (IR2) - Flameproof is designed for hazardous environments in indoor applications. The detector has two sensors which respond to different IR wavelengths to discriminate between flames and spurious sources of radiation. These detectors are BASEEFA approved and meet the requirements of ATEX Directive 2014/34/EU.

- ATEX certified: II 2 G D
- CENELEC/IEC certified: EEX d - IIC T4 - (Zones 1, 21, 2 and 22)
- Class 1 sensitivity to EN54-10 detects 0.12m² fire at 25 m
- Highest optical interference immunity
- Sensitive to flickering IR radiation
- 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
- 90° field of view
- Up to 40 m coverage

Manufacturer's Specification

All data is supplied subject to change without notice. Specifications are typical at 24V, 23°C and 50% RH unless otherwise stated.

Supply Voltage	14 - 28 V dc
Digital Communication	XP95 native, Discovery compatible
Quiescent Current	2.2 mA
Alarm Current	4.2 mA
Maximum Power Up Time	4 seconds max
Remote LED Current	limited to 2 mA
Range of View	0.1 m ² n-heptane at 25 m 0.2 m ² n-heptane at 35 m 0.4 m ² n-heptane at 45 m
Field of View	90° minimum cone
Spectral Response	1.0 to 2.7 µm
Sensitivity (EN 54-10)	High - Class 1 Low - Class 3
Operating Temperature	-10°C to + 55°C
Storage Temperature	-20°C to + 65°C
Humidity (no condensing or icing)	0% to 95% RH
IP Rating	IP66
Dimensions	158 mm (h) x 149 mm (w) x 134 mm (d)
Weight	2.3 kg
Housing Materials	copper-free aluminium alloy
Housing Colour	red
Cable Gland Entries	3 x 20 mm

36 Brookside Road, Havant
Hampshire, PO9 1JR, UK.

Tel: +44 (0)23 9249 2412
Fax: +44 (0)23 9249 2754

Email: enquiries@apollo-fire.com
Web: www.apollo-fire.co.uk

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Figure 1: Dimensional Drawing

