

# Intelligent (Exd) Flameproof IR<sup>3</sup> Flame Detector



## Technical Data

All data is supplied subject to change without notice. Specifications are typical at 24V, 25°C and 50% RH unless otherwise stated.

<b>Supply voltage</b>	17 - 28 V dc
<b>Digital communication</b>	XP95 and Discovery compatible
	2.2 mA
<b>Quiescent current</b>	2 seconds
<b>Maximum power-up time</b>	Limited to 2 mA
<b>Remote LED current</b>	0.1 m <sup>2</sup> n-heptane at 25 m
<b>Range of view</b>	0.2 m <sup>2</sup> n-heptane at 35 m
	0.4 m <sup>2</sup> n-heptane at 45 m
	90° cone
<b>Field of view</b>	0.75 to 2.7 μm
<b>Spectral response</b>	High - Class 1
<b>Sensitivity (EN 54-10)</b>	Low - Class 3
<b>Operating temperature</b>	-10°C to +55°C
<b>Storage temperature</b>	-20°C to +65°C
<b>Humidity (no condensing or icing)</b>	0% to 95% RH
<b>IP rating</b>	IP66
<b>Use</b>	Indoor and outdoor use
<b>Standards and approvals</b>	EN 54-10, LPCB, IECEx and BASEEFA
<b>BASEEFA Certificate No.</b>	Baseefa08ATEX0270
<b>Dimensions</b>	150 mm diameter. x 137 mm deep
<b>Weight</b>	2.5 kg
<b>Materials</b>	Copper-free aluminium alloy LM25
<b>Housing colour</b>	Red
<b>Cable gland entries</b>	3 x 20 mm

## Product overview

<b>Product</b>	Intelligent (Exd) Flameproof IR <sup>3</sup> Flame Detector
<b>Part No.</b>	55000-021
<b>Digital communication</b>	XP95 and Discovery compatible

## Approvals

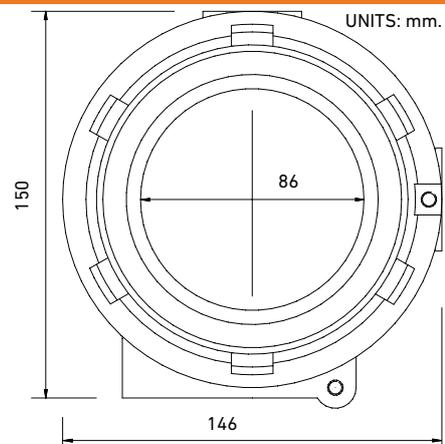


## Product information

The Intelligent (Exd) Flameproof IR<sup>3</sup> Detector is designed for use in hazardous environments in both indoor and outdoor applications. It is sensitive to low-frequency, flickering infra-red radiation emitted by flames during combustion. 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 0.12m<sup>2</sup> fire at 25 m
- 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
- 90° field of view
- Up to 40 m coverage

## Dimensional drawing



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