

FLAME DETECTOR IR3 EXD ATEX

AE/FL-IR3EX

Description

IR³ flame detector with fire resistant cover.
Highly sensitive microprocessor that allows it to operate through smoke, oil, dust, or water vapor.

Adjustable sensitivity according to EN54-10 standard.

Most IR flame detectors respond up to a wavelength of 4.3µm, emitted by hydrocarbon flames. AE / FL-IR3EX also responds to a wavelength ranging from 0.75 to 2.7µm emitted by all types of fires. It can also detect gas fires not visible to the human eye, such as hydrogen fires.

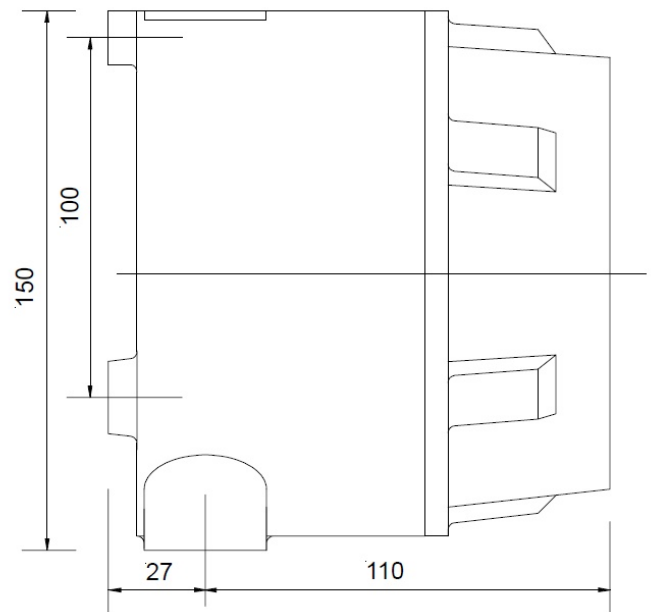
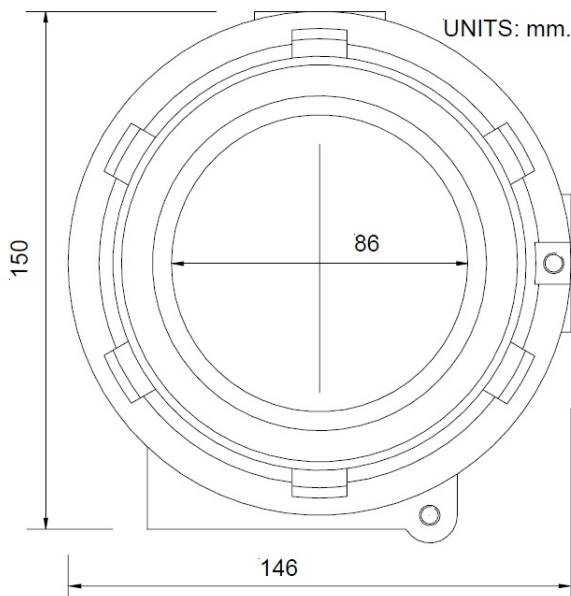
The IR³ detectors, allow to discriminate between flames and false sources of IR radiation, since the combination of filters and signal processing avoid false alarms.



Installation and maintenance

Units can be wired 2-wire, 4-20 mA, or through relay contacts (fire, fault, and pre-alarm) with or without latching. It incorporates inputs for self-check. Resistant to vibration and wind.

Dimensions



TECHNICAL CHARACTERISTICS		CERTIFICATIONS
Supply voltage:	14 - 30 VDC	IEC EEx d IIC T6 certification
Current:	3/9, 4/8/14, 4-20, 8-20 mA	
Relay contacts:	1 A @ 30 VDC (resistive load)	
Field of view:	90 ° min. cone	
Spectral Response (IR):	0.75 to 2.7 µm	
Working temperature:	-10 ° C to 55 ° C	
Storage temperature:	-20 ° C to 65 ° C	
Relative humidity:	95% non-condensing	
Protection index:	IP66	
Weight:	2.5 kg	