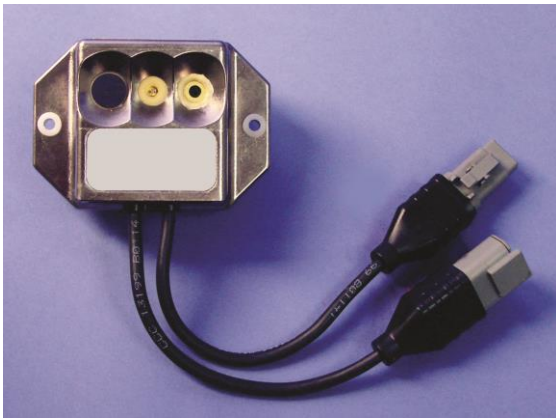


IR-1A DUAL SPECTRUM FLAME DETECTOR



FEATURES

- FM Approved
- Response time to explosive fires of < 0.5 seconds
- False Alarm Immunity**
 - sunlight flashlights welding arcs (30 inches)
 - lightning vehicle headlights
 - incandescent lights (100 W at 2 inches)
- 90° solid cone field-of-view
- Plug-n-Play using EFS Cables
- Shock and Vibration Resistant
- Ideal Size for Crowded Spaces
- Three-dimensional Detection
- Senses two separate bands of infrared energy

Where Used	SA1	NET	
	✓	✓	

Detectors shall be installed and maintained only by trained, certified technicians.

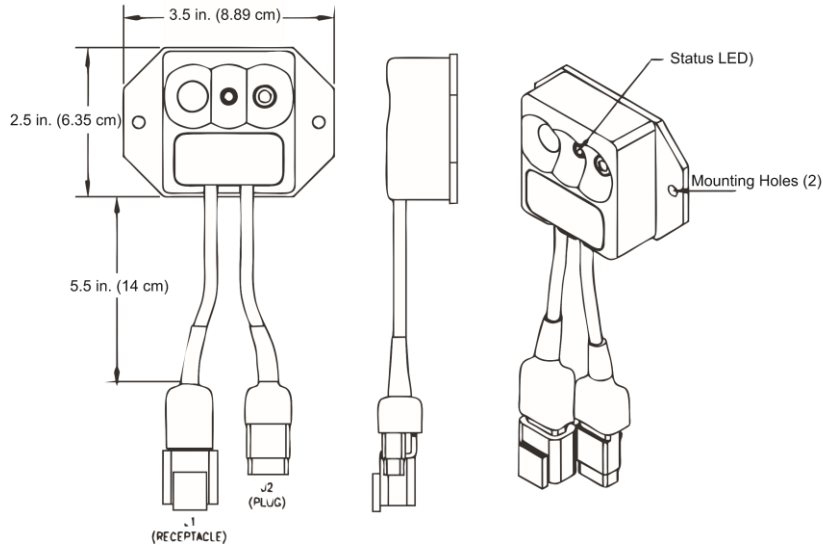
IR-1A sensor detection threshold (range)

Fuel Type	Feet	Meters
1 sq. ft. Methanol Pan Fire	3.0	0.91
1 sq. ft. Gasoline Pan Fire	3.0	0.91
1 sq. ft. Diesel Pan Fire	3.0	0.91
30-inch Natural Gas Flame, 3/8 Orifice gas outlet	1.7	0.51
30-inch Hydrogen Gas Flame, 3/8 Orifice gas outlet	1.0	0.30
1 sq. ft. Methanol Pan Fire	3.0	0.91

TECHNICAL DATA

Item	Specification
Sensor temperature range	-40°F (-40°C) to 257°F (125°C)
Enclosure rating	NEMA 4X
Restore to Standby <i>post-alarm</i>	Power Down with reset of Control Panel

This literature is provided for informational purposes only. Envirotech Fire Systems, Inc. assumes no responsibility for the product's suitability for a particular application. The product must be properly applied to work correctly. Envirotech Fire Systems, Inc. believes this data to be accurate, but it is published and presented without any guarantee or warranty whatsoever. If you need more information on this product, or if you have a particular problem or question, contact Envirotech Fire Systems, Inc. Systems shall be deployed according to applicable Design, Installation, Operation and Maintenance Manual.



IR-1A Sensor with Dimensions

PRODUCT INFORMATION

Description		Part Number	Datasheet	Where Used		
Dual Spectrum Infrared Detector, IR-1A		83-132700-000	EFS-42-2210	SA1	NET	
				✓	✓	
RELATED PRODUCT INFORMATION						
Mounting Bracket, Infrared Detector		83-131060-001	EFS-42-2211	SA1	NET	
				✓	✓	
Replacement Isolation Pad For IR Mounting Bracket		83-131061-001	EFS-42-2211	SA1	NET	
				✓	✓	
IR Alarm Simulation Test Kit		83-132016-001	EFS-42-2620	SA1	NET	
				✓	✓	
SA1 Control Panel Assembly (ships without power supply)		83-132400-000	EFS-42-2110	SA1	NET	
				✓	⊘	
Network Control Module, Sentinel NET		83-132420-000	EFS-42-2120	SA1	NET	
				⊘	✓	

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