

Description

AW-FD705EX explosion-proof IR4 flame detector is a new generation of detectors aimed at product performance improvement. This flame detector uses a self-made four-band infrared pyroelectric sensor.

Through excellent circuit design technology and advanced signal processing algorithm, the detection coverage and anti-false alarm ability are greatly improved, and it can be applied to indoor and outdoor scenarios where there are many sources of false alarms.



Features

- ✓ The detector has two standard relay outputs
- ✓ Excellent detection performance, the detection distance of n-heptane can reach up to 50m
- ✓ The detector has two standard relay outputs: fire alarm and fault. It has an independent high-precision 0 to 20mA current loop output
- ✓ Sensor automatic optical inspection calibration
- ✓ With lens pollution self-check function
- ✓ High-performance four-channel infrared pyroelectric sensor
- ✓ Suitable for various fuel types
- ✓ Adjustable sensitivity setting
- ✓ Strong anti-interference ability
- ✓ High flexibility and wide compatibility

Technical Specification

Model	AW-FD705EX
Size	155mm*119.5mm*118.5mm
Weight	1.3kg
Color	Red
Shell Material	Cast aluminum
Electrical Interface	2x3/4NPT, M25*1.5, G3/4 (adapters can be customized)
Accessories	Cast aluminum bracket
Spectrum Range	2.7~5.0μM
Detection Angle	Angle of view 90°
Operation Method	Infrared remote control
Voltage Range	24VDC (18~30VDC)
Working Current	≤60mA

Signal Output	Current loop type: 0~20mA, current output: fault≤1mA, Oi normal 2mA, normal 4mA, fire alarm 20mA Relay type: 2-loop fire alarm, fault relay output
Reset Method	Power-off reset / Communication protocol reset
Working Temperature	-40°C~70°C
Storage Temperature	-40°C~85°C
Working Humidity	0~96% RH (non-condensing), can bear the 100% condensing humidity for a short time

Inflamer	Fire Size	Detecting Distance
N-heptane	0.1 m ² Fire plate	50m
Gasoline		40m
Diesel		35m
kerosene		35m
Alcohol		30m
Paper		25m
Methane	0.5m (H) x 0.2m (W)	30m

Inflamer	Fire Size	Response Time
N-heptane	0.3m x 0.3m	≤10s

Product Diagram

