ERIS IP-330
Flame detector

ERIS IP-330 triple infrared explosion-proof flame detector addresses a wide range of fire protection applications both indoors and outdoors. Detecting a wide range of Hydrocarbon and Non-Hydrocarbon flaming fires. Optical detection of radiant energy in a solid angle field of view enables coverage of a large risk area.

Long distance detection

Extremly wide viewing angle up to 120^0
Explosion-proof housing with high visiblity color
High speed sensors and response time
Analog and digital output for simple connectivity (mA, relay, MODBUS, HART)
Events Log

Enables quicker and easier installation

Comprehensive automatic Self-test
Extended warranty period
False alarm rejection
Wide range of operation temperatures -60...+90^0C (-76...185^0F), short time 125^0C (257^0F)

Fix fire alarm status

Switch off fire alarm for tests feature
Swivel bracket allows to be installed and aligned covering the hazard

Good resistance against the influence of external factors

Suitable fo outdoor application with protective visor

Metal visor
Additional protection
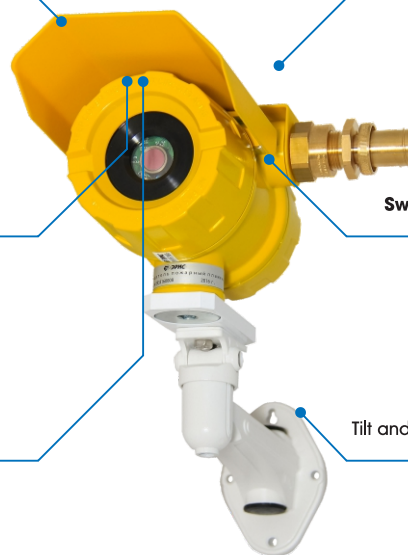from sunlight, dust,
mechanical damage

Output signal
4-20 mA+HART
RS-485
Relays

Status LED
Device operation
display status

Switching compartment
Easy cable connection

Optical module
Interference protection and
false alarm rejection

Bracket
Tilt and rotate in a wide range.
Easy to install

Related controllers

- ERIS IMPERIUM

The intelligent controller accepts inputs from many sensors types and signals ranges. It designed for industrial automation purposes, fire exhausting and fire detection systems control. Modular configuration of controller benefits flexible setting and optimization for industrial automation applications. Devices produced in 19" rackmount and DIN-rail mounted housings.

General

Detection range	Heptane 60 m Ethanol 30 m
Noise immunity	Incandescent light 5000 Lux Halogen lamp 5000 Lux Heated body Direct sunlight
Cone of detection	90^0
Response time	Less then 5 seconds
Output signal	4-20 mA+HART 7 RS-485 Modbus
Relay	1 alarm, 1 fault
Input voltage	9...32 V DC
Nominal voltage	24 V DC
Power consumption	2-18 Watts
Enclosure material	Epoxy coated aluminium Stainless steel SS316L
Colours	Yellow (aluminium) Red (aluminium, optional)
Mounting	Stainless steel adjustable mounting bracket (tilt, rotation)
Cable entries	2 x M20 (M25) cable entries. Seal to maintain IP rating.
Indication	Status LEDs
IP Rating	IP67 in accordance with EN60529:1992
Temperature range	-60^0C to $+85^0C$ (-76^0F to 185^0F)
Weight	1,3 kg (aluminium) 3,8 kg (stainless steel)
MTBF	100 000 hours
Lifetime	12 years

Certification

European	ATEX II 2 G Ex db IIC T5 Gb (Ta -40^0C to $+65^0C$)
EMC	ATEX (Directive 2014/34/EU) Electromagnetic Compatibility (Directive 2014/30/EU)

Options & accessories

IP-330 Test Lamp

- Test Lamp enable fast checking of operational capability and field of view of the ERIS IP-330 to ensure safety.

Related products

DGS ERIS-210S	DGS ERIS-210	DGS ERIS-230	DGS ERIS-230-FR	DGS ERIS-230-PID	ERIS Advant 4

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