FHSD8015-99

LaserSense 10 Ansaugrauchmelder, 1 Rohranschluss - max. 50m

Description

The LaserSense 10 is designed to provide very high sensitivity smoke detection in a small package.

ClassiFire Perceptive Artificial Intelligence ensures that the detector operates at optimum sensitivity for the protected environment, without the need for complex setup. This means the product will configure itself to provide high sensitivity in a computer room or reduced sensitivity in a smoky area.

The detector is designed to fit into a Docking Station. All sampling pipes and cables are connected to the Docking Station as a first fix operation leaving the detector to be fitted during the final commissioning phase if required. This ensures that detectors are less likely to be damaged during the installation.

Upgradable volt-free Fire and Fault relay outputs are available for remote monitoring by local fire detection or BMS systems.

Typical Applications

- Data storage units
- Prison cells
- Plant rooms
- Air conditioning units
- Equipment racks
- Computer rooms
- Air duct protection
- Heritage property protection
- Critical equipment
- Anti-smoking enforcement
- Motor rooms

Options Available

- Addressable Protocol Interface Cards APIC™ available
- Relay expansion card

Einzelheiten

- Ultra small low cost aspirating smoke detector for easy and discreet installation
- High sensitivity provided by laser based forward light scatter for reliable early warning
- Single sampling pipe up to 50m in length (still air)
- Unique ClassiFire® Perceptive Artificial Intelligence system that dynamically adjusts the detector's operating parameters, allowing for day to day changes in the protected environment and dust separation system contamination
- Unwanted alarms from dust are avoided using patented Dual Technology LDD 3D3 Laser Dust Discrimination and elimination system
- CPR approved

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Technische Spezifikationen

Allgemein

Statusanzeige	LED
Alarmstufen	4 (Aux, Pre-alarm, Alarm, Alarm 2)

Elektrische Angaben

Betriebsspannung	21.6 to 26.4 VDC
Aktueller Verbrauch	250 mA

Erkennung

Detektionsprinzip	Laser light scattering mass detection and particle evaluation
Bereich	0.3 to 25 %Obs/m (Sesnitivity)
Partikelempfindlichkeitsbereich	0.003µ to 10µ

Ansaugrohr

Länge	50 m maximum run (25 m in moving air)
Anzahl Ansaugbohrungen	up to 2 holes, Class A (high sensitivity) up to 4 holes, Class B (enhanced sensitivity) up to 10 holes, Class C (normal sensitivity)
Einlassmenge	1
Einlassgröße	27 mm OD
Entlüftung	1 (optional)

Ausgang

Ausgabemenge	2, 1x Alarm (n/o), 1x Fault (n/c) Optional input and relay card
Ausgabetyp und -Klasse	500 mA @30 V

Physikalisch

Abmessungen	145 x 220 x 85 mm (W x H x D)
Nettogewicht	1.7 kg
Farbe	Creme
Montage	Oberflächenmontage
Kabeleinführungen	2 x M20
Material (Körper)	Gehäuse aus Stahlblech

Umweltbedingungen

Betriebstemperatur	-10 to +60°C(EN54-20)
Relative Luftfeuchtigkeit	0 to 90% noncondensing
Umgebung	Drinnen
IP Klassifizierung	IP40

Regulativ

Zertifizierung	EN54-20

Networking

SenseNET (RS-485)	Not supported

Kompatible Produkte

Kategorie	Referenz	Beschreibung
Brandmeldetechnikmelder	FHSD8025-09	LaserSense 25 High Sensitivity Smoke Detector - Spanish
Brandmeldetechnikmelder	FHSD8100-09	LaserSense 100 High Sensitivity Smoke Detector - Spanish
Brandmeldetechnikmelder	FHSD8200-09	LaserSense HSSD2 High Sensitivity Smoke Detector - Spanish
Brandmeldetechnikmelder	FHSD8210-09	LaserSense HSSD2 High Sensitivity Smoke Detector - Minimum display version - Spanish

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