FHSD8015-99

LaserSense 10 High Sensitivity Smoke Detector

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

Details

- 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 specificaties

Algemeen

Status indicatie	LED
Alarmniveaus	4 (Aux, Pre-alarm, Alarm, Alarm 2)

Elektrisch

Bedrijfsspanning	21.6 to 26.4 VDC
Stroomverbruik	250 mA

Detectie

Detectie principe	Laser light scattering mass detection and particle evaluation
Bereik	0.3 to 25 %Obs/m (Sesnitivity)
Deeltjes gevoeligheidsbereik	0.003µ to 10µ

Bemonsteringspijp

Lengte	50 m maximum run (25 m in moving air)
Aantal bemonsteringsgaten	up to 2 holes, Class A (high sensitivity) up to 4 holes, Class B (enhanced sensitivity) up to 10 holes, Class C (normal sensitivity)
Inlaat aantal	1
Inlaat diameter	27 mm OD
Uitlaat	1 (optional)

Uitgang

Uitgangshoeveelheid	2, 1x Alarm (n/o), 1x Fault (n/c) Optional input and relay card
Type uitgang en classificatie	500 mA @30 V

Fysiek

Fysieke afmetingen	145 x 220 x 85 mm (W x H x D)
Netto gewicht	1.7 kg
Kleur	Crème
Type montage	Oppervlaktemontage
Kabelinvoeren	2 x M20
Materiaal (behuizing)	Plaatstalen behuizing

Omgeving

Bedrijfstemperatuur	-10 to +60°C(EN54-20)
Relatieve vochtigheid	0 to 90% noncondensing
Omgeving	Binnen
IP-classificatie	IP40

Regelgeving

Certificering	EN54-20

Networking

SenseNET (RS-485)	Not supported

Compatibele producten

Categorie	Referentie	Beschrijving
Detectieapparaat	FHSD8025-09	LaserSense 25 High Sensitivity Smoke Detector - Spanish
Detectieapparaat	FHSD8100-09	LaserSense 100 High Sensitivity Smoke Detector - Spanish
Detectieapparaat	FHSD8200-09	LaserSense HSSD2 High Sensitivity Smoke Detector - Spanish
Detectieapparaat	FHSD8210-09	LaserSense HSSD2 High Sensitivity Smoke Detector - Minimum display version - Spanish

Als een bedrijf van innovatie behoudt Carrier Fire & Security zich het recht voor productspecificaties zonder kennisgeving te wijzigen. Ga voor de nieuwste productspecificaties online naar be.firesecurityproducts.com of neem contact op met uw verkoopvertegenwoordiger.

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