HELIOS® AMX5000 Aspirating Smoke Detector Series
Detect Even The Smallest Smoldering Fire

Rapid Detection and Response

The HELIOS® AMX5000 aspirating smoke detector is a highly sensitive, active, latest-generation smoke detection system. In addition to pre-signal and contamination assessment, the detector provides the ability to adjust sensitivity to suit your application. The HELIOS® AMX5000 identifies even the smallest smouldering fire and can be used almost anywhere.

Typical Applications

The HELIOS® AMX5000 is also well-suited for room and object observation due to its excellent response characteristics. Typical areas for use are:

- Freezer warehouses and distribution centers
- False ceilings and double floors
- IT and computer centers
- Telecommunication centers
- Clean rooms
- High- and low-voltage distribution panels
- CNC controllers

The HELIOS® pipe system is a great choice for protection of cultural properties, museum displays, and aesthetically demanding architecture.

Advantages

- Auto-learning function.
- Separate air stream monitoring with one or two suction lines
- Adjustable sensitivity from 0.066 - 3.28%/ft.
- 5 fan speeds
- Up to 43,000 sq. ft. of coverage with two detectors
- Highly sensitive smoke detectors with contamination balance for use in critical areas
- HELIOS® "PipeCalc" calculation software ensures efficient, asymmetrical pipe installation
- Suitable for freezer application down to -22° F
- Heated sampling points available
- Simple configuration and start-up of standard devices using HELIOS® "EasyConfig"
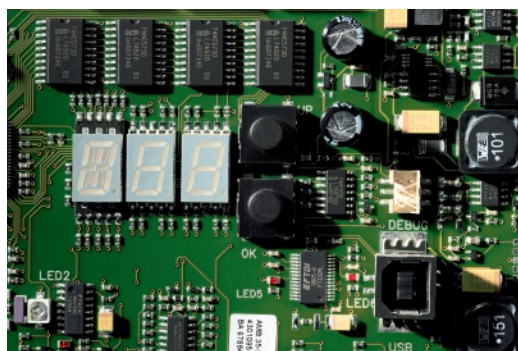
"EasyConfig" on-board programming feature.

Trusted above all.™

VIKING®

HELIOS® AMX5000 Aspirating Smoke Detector Series

Modular, Flexible, and Cost-efficient

The HELIOS® AMX5000 aspirating smoke detector consists of one or two independent suction lines with suction opening and one highly sensitive smoke sensor. Each suction line is constantly monitored via an air stream monitoring system in order to identify pipe breaks and dirt at the suction opening. A powerful fan draws air from the monitored area or device through the suction line to an evaluation unit, where the air is constantly evaluated by the smoke sensors. The display and operating fields display the smoke concentration in the aspirated air, as well as other alarm, fault, and status notifications. Any increase in smoke concentration is identified extremely quickly. Three pre-signals and one main alarm can be programmed, which can be transferred to any fire panel via a potential-free relay or module.

The HELIOS® AMX5000 Product Range

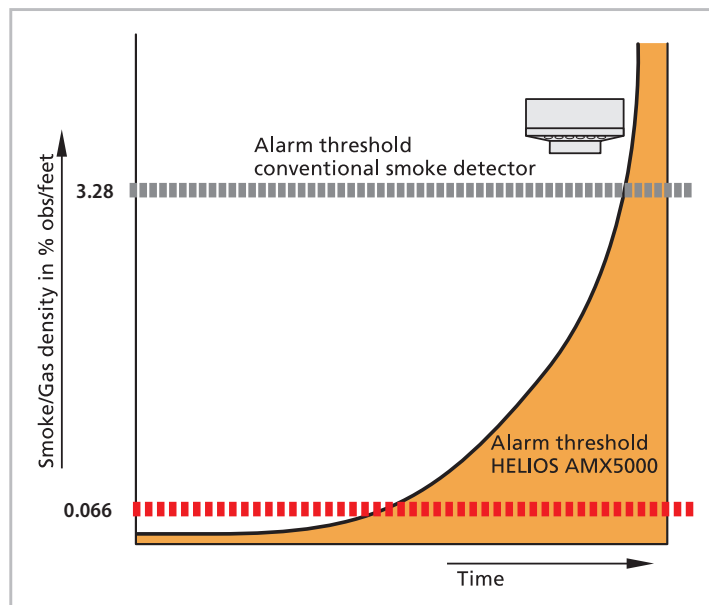**Basic devices aspirating smoke detector**

AMX5001	1 Aspiration Pipe/Smoke Detector
AMX5002	2 Aspiration Pipes/Smoke Detectors
AMX5101	1 Aspiration Pipe/Smoke Detector with Smoke Level Indicator
AMX5102	2 Aspiration Pipes/Smoke Detectors with Smoke Level Indicator

Applicable smoke detectors

OMX5005 smoke detector	1.64 - 3.28 %/ft sensitivity
OMX5010 smoke detector	0.328 - 3.28 %/ft sensitivity
OMX5020 smoke detector	0.066 - 3.28 %/ft sensitivity

Extension modules

MMX5005	Optional memory card connection with SD memory card
MMX5005 RK	Optional relay module with 5 relays

Technical Data	
Permitted Voltage Range	10.5 - 30 V DC
Alarm Sensitivity	0.066 - 3.28 %/ft
Pre-Signals 1, 2, 3	0.066 - 3.28 %/ft, programmable In 10% levels
Approvals	UL, FM, VdS G208193, CE, CSFM #7259-1736:0105
Operating Environment Temp	-22°F to 120°F (-30°C to 49°C)
Protection Class	NEMA 3 or IP 54 (attained without limitations)
Casing Measurements	15.63 x 10.43 x 5.75 In (397 x 265 x 146 mm) (l x w x h, with Insertions)
Suction Pressure	0.058 PSI (400 Pa) (power levels)
Suction Noise	43 dBA (fan level 3, standard), 32 dBA (fan level 1), meets ISO 11690-1: Directive for low-noise workplaces containing machinery

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