TITANUS SUPER·SENS®
AETS

Description

TITANUS SUPER·SENS® was specially developed for applications with the very highest requirements in terms of detection. Its particular strengths lie in the detection of pyrolysis gases, which are released during the thermal processes before it is even possible to speak about the outbreak of fire. The system has a 3-stage alarm system and a smoke level display in bar graph form and can also be fitted with an Ethernet network card.

The electroplated version, TITANUS SUPER·SENS® /G is also available for use in monitored areas with a corrosive atmosphere.

TITANUS SUPER·SENS® available. A special adjustment allows this version to be deployed in the presence of corrosive gases for a significantly extended lifecycle.

The coverage of the TITANUS SUPER·SENS® goes far beyond the classification of EN 54-20. Depending on the version, the alarm sensitivity can be set to be up to m600 times greater than is required under Class A.

A pipe length of up to 200 mtrs. can be used, regard- less of whether Class A, B or C is required in accordance with EN 54-20.

Applications

The highly sensitive TITANUS SUPER·SENS® is ideal for use in clean rooms or IT areas where it is essential to detect fires at the earliest possible stage despite high levels of air dilution:

- Clean rooms, such as computer chip manufacturing plants, CD/DVD production
- IT areas with high levels of air conditioning

Advantages

- Early fire detection thanks to innovative, highly sensitive HPLS light source technology
- A high degree of false alarm immunity through its use in very clean areas
- 3 alarm thresholds for a tiered alarm concept
- Smoke level display in bar graph form
- Reliable project design with just 5 mouse clicks
- Time saving commissioning through Plug & Play

TECHNICAL DATA	
Basic equipment	TITANUS SUPER·SENS® /G /R /RS
max. number of sampling holes	24
Max. pipe length (with max. number of sampling holes)	200 m
Monitored area per sampling hole 0833-2	Corresponds to one point-type smoke detector in accordance with VDE
Monitoring of pipe systems for breakage and obstruction	Optional adjustment for individual hole monitoring **
Double-knock detection	Possible using detector box
Sensitivity	Info-alarm: up to 0.002 % LT/m*
(Sampling holes in accordance with EN 54-20: Classes A, B and C max. 24)	Pre-alarm : up to 0.004 % LT/m*
	Main alarm: up to 0.006 % LT/m*
Alarms (volt-free contacts)	3 (Info, Pre-alarm and main alarm)
Fault alarms	Cumulative report (volt-free contact, either via NC or NO)
Alarm and fault relay power rating	1 A, 30 V DC, max. 24 W
Clamped connections	max. 2.5 mm²
Displays on device	
- Info, pre-alarm and main alarm	1 red alarm indicator for each
- Smoke level	10-step bar graph display (20 segments)
- Fault	Yellow collective fault
- Operation	Green operation display
Operating voltage	24 V DC (14 - 30 V DC)

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TECHNICAL DATA

Max. quiescent current (at 24 V DC)	245 mA (at standard fan voltage of 12 V)
Max. alarm current (at 24 V DC)	320 mA (at standard fan voltage of 12 V)
Dimensions (W x H x D)	240 x 366 x 132 mm3
Weight	2800 g
Protection category	IP 20
Temperature range	-20 °C to + 60 °C
Humidity (permanent)	10 % to 95 % relative humidity
Extended period in corrosive atmosphere	Electro-plated version TITANUS SUPER·SENS® /G
Event log	Built-in
Connection of external alarm notifications	Parallel display optional
Network capability	Able to accept an Ethernet network card
Approved in accordance with EN 54-20, Classes A, B, C:	
VdS-No.	G 201035
BPRI-No.	0786-CPD-20781

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