

Description

TITANUS® aspirating smoke detector

The TITANUS® family of aspirating smoke detectors covers standard to very early warning fire detection as well as a wide range of extreme applications without compromising high levels of sensitivity and performance.

Technology

TITANUS MICRO-SENS® is WAGNER's air sampling smoke detector for monitoring enclosures and small to medium-sized areas of up to 4,305 ft². It combines High-Power-Light-Source (HPLS) technology with patented LOGIC-SENSTM fire pattern recognition algorithms and a large portfolio of custom accessories to ensure that each system will maintain high levels of sensitivity and false alarm immunity even in challenging environments.

TITANUS MICRO-SENS® comes with dry contacts for connection to any fire panel. For special demands TITANUS MICRO-SENS® with redundant fan is available on request.

Advantages

- Cost effective solution to fit the needs on site.
- High reliability and extended service life due to physical separation of disturbing influences such as dust, vapor or radiation from the measuring chamber.
- TITANUS® PipeXpress software for highly reliable ASD planning with just a few mouse clicks.
- Time-saving Installation and commissioning thanks to plug & play philosophy.
- Discreet installation for maintaining aesthetics and providing safety against vandalism.
- Intelligent diagnostics tool gives support at inspection and service.



Features

- Coverage up to 4,305 ft² (400 m²)
- High-Power-Light-Source (HPLS) for standard to very high sensitivity
- LOGIC-SENSTM for very high immunity to false alarms
- PIPE-GUARD patented air flow monitoring system, sensing changes in total airflow as little as +/-10 %
- Up to 164 ft (50 m) pipe length and up to 8 holes
- Designed for harsh environments, with a wide range of accessories for special applications
- 2 alarm levels for tiered alerting option
- Optional bar graph smoke level display
- Optional Ethernet (TCP/IP) / SNMP / data logger
- Operating temperature: -4 °F to +140 °F (-20 °C to +60 °C)
- Also available as TITANUS MICRO-SENS® cold storage and ROOM-IDENT version

Listing

UL Standard
FM Approved
VdS Approved

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Represented by:



Aspirating Smoke Detector

TITANUS MICRO-SENS – Standard Version

Devices

TITANUS MICRO-SENS

System	TITANUS MICRO-SENS High Sensitivity	TITANUS MICRO-SENS Normal Sensitivity
Basic Device		
Type (“-B” demoted bargraph option)	DM-TMV(-B)-10-U	DM-TMV(-B)-50-U
Max Main Alarm Sensitivity	0.03 % obsc./ft (0.10 % obsc./m)	0.15 % obsc./ft (0.50 % obsc./m)
No. of Detector Modules (Zones)	1	
Max. No of Aspirating Holes	8	
Max Area Coverage	4,305 ft ² (400 m ²)	
Max Pipe Length	164 ft (50 m), 131 ft (40 m) straight pipe run	
Cross Zoning Alarm Verification	optional with detector box	
No. of Alarm Levels per Zone	2	
No. of Output Relays (1 A/ 30 VDC)	2 (alarm: n.o.; fault: n.c.), additional relays optional	
Front Indicator	Alarm, Pre-Alarm, Fault; Operation; optional Bar Graph (smoke level)	
Ethernet/SNMP/ Data Logger (SD Card)	optional	
Binary Data Logger	standard	
Supply Voltage	24 V DC (16 to 30 V DC)	
Current Consumption min. Operational	105mA	
Alarm without bar graph	110mA	
Alarm with bar graph	140mA	
Operating Temperature	-4 °F to +140 °F (-20 °C to +60 °C)	
Humidity Range	10 % to 95 % (noncondensing)	
Sound Pressure Level (ISO 3744)	as low as 40 dB(A)	
Dimensions	2.9 x 5.5 x 8.7 inches (70 x 140 x 222 mm)	
Weight (Basic Configuration)	0.94 lb (425 g)	
Pipe Specification	63 / 64 inches (25 mm)	

Device Basis

Type	HB-TM
Weight	0.93 lbs (420g)

Adhesive Front Film Sheet

Type for device without bar graph	FW-TMV
Type for device with bar graph	FW-TMV-B

- 1 Relay board RU-2 for 5 additional relays, external housing required
- 2 Network Module with (without) Data Logger: NU-2-D (NU-2); Data Logger only: NU-2-DO
- 3 At 9 V standard fan voltage, 24 V DC supply voltage

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