

### Aspirating Smoke Detector TITANUS PRO-SENS<sup>®</sup> / net

### Cold Storage Version TP-3-F-U

### TITANUS<sup>®</sup> aspirating smoke detector

The TITANUS<sup>®</sup> 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 PRO·SENS® / net aspirating smoke detection system combines High-Power-Light-Source (HPLS) technology with patented LOGIC SENS<sup>TM</sup> 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. Its modular design facilitates cost effective solutions for a wide range of specialized requirements. Optional second plug-in detector module allows one aspirating unit to economically monitor two separate areas or alternatively to be used for crosszoning alarm verification. TITANUS PRO-SENS® / net comes with dry contacts for connection to any fire panel as well as free slots for inserting bus modules.

### **Advantage**

- · Installation inside cold storage facilities to avoid condensation and ice build-up.
- · High reliability and extended service life due to physical separation of disturbing influences such as dust, vapor or radiation from the measuring chamber.
- TITANUS<sup>®</sup> 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**

- System coverage up to 64,560 ft<sup>2</sup> (6,000 m<sup>2</sup>) or rather 32,280 ft<sup>2</sup> (3,000 m<sup>2</sup>) per detector module
- High-Power-Light-Source (HPLS) for standard to very high sensitivity
- LOGIC SENS<sup>™</sup> for very high immunity to false alarms
- PIPE GUARD patented air flow monitoring system, sensing changes in total airflow as little as +/-10 %
- Optional 2nd detector module for cross-zoning alarm verification or increased area of coverage
- Up to 984 ft (300 m) pipe length and up to 63 holes per detector module
- · Designed for harsh environments, with a wide range of accessories for special applications
- Pre-alarm option
- Optional Ethernet (TCP/IP) / SNMP / data loger
- Operating temperature: -40 °F to +140 °F (-40 °C to +60 °C) depending on version
- · Also available as TITANUS PRO·SENS®/net standard and SILENT version

### Approvals



Additional approvals on request and / or at www.wagnergroup.com



National Fire Equipment Ltd. | OTTAWA: (613) 723-6071

TORONTO: (905) 761-6355 Toll Free: (800) 267-8508

VANCOUVER: (604) 420-1131 Toll Free: (800)-667-2138

EDMONTON: (780) 455-3870 Toll Free: (888)-891-1008

MONCTON: (506) 859-7277 Toll Free: (877) 816-3473

MISSISSAUGA: (905) 565-1385

BURNABY: (604)-299-4498 www.nationalfire.com CALGARY: (403) 236-5661

### Aspirating Smoke Detector TITANUS PRO·SENS<sup>®</sup> / net

### TITANUS PRO·SENS<sup>®</sup> / net | Components





1





3

The aspirating smoke detector consists of the basic device (1), one or two detector modules (2) and an adhesive front film sheet (3).

TITANUS PRO·SENS<sup>®</sup> / net

System

### 1 Basic Device

Type Max. Main Alarm Sensitivity No. of Detector Modules (Zones) Max. No. of Aspiration Holes Max. Area of Coverage Max. Pipe Length Cross-Zoning Alarm Verification No. of Alarm Levels per Zone No. of Output Relays (1 A / 30 VDC) Front Indicators Ethernet / SNMP / Data Logger (SD Card) **Binary Data Logger** Supply Voltage "Current Consumption min. Operational (1 Detector Module, 24 V DC) Alarm" "Current Consumption min. Operational (2 Detector Module, 24 V DC) Alarm" **Operating Temperature** Humidity Range Sound Pressure Level (ISO 3744) Dimensions Weight (Basic Configuration) **Pipe Specification IP** Rating

### TITANUS PRO·SENS<sup>®</sup> / net Cold Storage Version

TP-3-F-U 0.005 % obsc./ft (0.015 % obsc./m) 1 or 2 2 x 63 64,560 ft<sup>2</sup> (6,000 m<sup>2</sup>) per system / 32,280 ft<sup>2</sup> (3,000 m<sup>2</sup>) per zone 1 x 980 ft (1 x 300 m) per zone optional with 2nd detector module 1 4 relays (changeover / form C) Fault; Operation; per Zone: 1 x Alarm optional<sup>(1)</sup> standard 24 V DC (14 to 30 V DC) 210 mA 210 mA 240 mA 240 mA -40°F to +140°F (-40°C to +60°C) 10 % to 95 % (noncondensing) as low as 45 dB(A) 4.5 x 7.9 x 11.5 inches (113 x 200 x 292 mm) 3.0 lbs + 0.22 lbs (1,350 g + 100 g) per detector module 63 / 64 inches (25 mm) standard: IP 20 / optional: IP 52

### 2 Detector Modules

DM-TT-50-L-F-U

Standard

0.15 % obsc./ft

(0.5 % obsc./ft)

### DM-TT-10-L-F-U 0.22 lbs (100 g)

### Medium 0.03 % obsc./ft (0.10 % obsc./m)

DM-TT-01-L-F-U

High 0.005 % obsc./ft (0.015 % obsc./m)

### **3 Adhesive Front Film Sheets**

Using 1(2) Detector Modules, Type

Max. Main Alarm Sensitivity

FW-TP-1 (FW-TP-2; for indicating external shutdown: FW-TP-3)

(1) Network Module with Data Logger: NU-5-D-F; Data Logger only: NU-5-DO-F



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Sensitivity Rating

Type Weight

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www.nationalfire.com



### Aspirating Smoke Detector TITANUS PRO·SENS<sup>®</sup> / net

### Standard and SILENT-Version TP-3(-SL)-U

### TITANUS<sup>®</sup> aspirating smoke detector

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### **Advantage**

- Modular design for cost effective solutions to fit the needs on side.
- · High reliability and extended service life due to physical separation of disturbing influences such as dust, vapor or radiation from the measuring chamber.
- TITANUS<sup>®</sup> PipeXpress software for highly reliable ASD planning with just a few mouse clicks.
- Time-saving Installation and commissioning thanks to plug & play philosophy.
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- PIPE GUARD patented air flow monitoring system, sensing changes in total airflow as little as +/-10 %
- · Optional 2nd detector module for cross-zoning alarm verification or increased area of coverage
- Up to 984 ft (300 m) pipe length and up to 100 holes per detector module
- · Designed for harsh environments, with a wide range of accessories for special applications
- Pre-alarm option
- Optional Ethernet (TCP/IP) / SNMP / data loger
- Operating temperature: -4 °F to +140 °F (-20 °C to +60 °C) depending on version
- Also available as TITANUS PRO·SENS® / net cold storage version

### Approvals



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Aspirating Smoke Detector TITANUS PRO-SENS® / net								
TITANUS PRO·SENS <sup>®</sup> / net   Com	ponents							
	+	2	con col	e aspirating smoke detector sists of the basic device (1), or two detector modules (2) an adhesive front film sheet (3).				
TITANUS PRO·SENS <sup>®</sup> / net								
	System	TITANUS PRO·SENS <sup>®</sup> Standard Versior		TITANUS PRO·SENS <sup>®</sup> / net SILENT Version				
1 Basic Device	_							
P	Type	TT-3-U		TT-3-SL-U				
Max. Main Alarm No. of Detector Modu	-	0.005 % obsc./ft (0.015 % obsc./m)						
Max. No. of Aspir	( )	2 x 63	1 or 2	1 x 100 or 2 x 72 <sup>(1)</sup>				
Max. Area o			n²) per system / 32.280					
	Pipe Length	64,560 ft² (6,000 m²) per system / 32,280 ft² (3,000 m²) per zone 1 x 980 ft (1 x 300 m) per zone						
Cross-Zoning Alarm			tional with 2nd detector					
No. of Alarm Leve	ls per Zone		1					
No. of Output Relays (1 A	A / 30 VDC)	2	l relays (changeover / f	orm C)				
Fron	Front Indicators Fault; Operation; per Zone: 1 x Alarm			1 x Alarm				
Ethernet / SNMP / Data Logger	. ,	optional <sup>(2)</sup>						
	ata Logger	standard						
	ply Voltage	24 V DC (14 to 30 V DC)						
"Current Consumption min. Operational (1 Detector Module, 24 V DC) Alarm"		210 mA 210 mA		130 mA 140 mA				
"Current Consumption min. ( (2 Detector Module, 24 V	DC) Alarm"	240 mA 240 mA		160 mA 170 mA				
Operating Te	•	-4 °F to +140 °F (-20 °C to	,	2 °F to +104 °F (0 °C bis +40 °C)				
Hum Sound Pressure Level	idity Range (ISO 3744)	as low as 45 dB(A	0 % to 95 % (nonconde	as low as 23 dB(A) <sup>(3)</sup>				
	Dimensions	, i	9 x 11.5 inches (113 x 2					
Weight (Basic Co			lbs (1,350 g + 100 g) r	,				
Pipe Specification		63 / 64 inches (25 mm)						
	IP Rating	S	tandard: IP 20 / optiona					
2 Detector Modules								
	Туре	DM-TT-50-L-U	DM-TT-10-L-U	DM-TT-01-L-U				
	Weight	1	0.22 lbs (100 g)	1				
Sensit	ivity Rating	Standard	Medium	High				
Max. Main Alarm	Sensitivity	0.15 % obsc./ft 0.03 % obsc./ft (0.5 % obsc./ft) (0.10 % obsc./m)		0.005 % obsc./ft (0.015 % obsc./m)				
3 Adhesive Front Film Sheets		. /						
Using 1(2) Detector Mod	dules, Type	FW-TP-1 (FW-TP	-2; for indicating extern	al shutdown: <b>FW-TP-3)</b>				
<ol> <li>(1) Fan Controller Type FC-3 required for more than 63 holes per detector module</li> <li>(2) Network Module with (without) Data Logger: NU-5-D (NU-5); Data Logger only: NU-5-DO</li> <li>(3) As low as 31 dB (A) without sound absorber type SD-1</li> </ol>								
National Fire	TORONTO: (905) 761-63 Toll Free: (800) 267-8508		EDMONTON: (780) 455-387 Toll Free: (888)-891-1008	0 MONCTON: (506) 859-7277 Toll Free: (877) 816-3473				
Equipment Ltd.	OTTAWA: (613) 723-607	1 BURNABY: (604)-299-4498 www.nationalfire.com	CALGARY: (403) 236-5661	MISSISSAUGA: (905) 565-1385				

www.nationalfire.com

Version: 09/2018



### Aspirating Smoke Detector TITANUS PRO-SENS<sup>®</sup> / net

### Cold Storage Version TP-4-F-U

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### **Advantage**

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#### **Features**

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- High-Power-Light-Source (HPLS) for standard to very high sensitivity
- LOGIC SENS<sup>™</sup> for very high immunity to false alarms
- PIPE GUARD patented air flow monitoring system, sensing changes in total airflow as little as +/-10 %
- Optional 2nd detector module for cross-zoning alarm verification or increased area of coverage
- Up to 984 ft (300 m) pipe length and up to 63 holes per detector module
- · Designed for harsh environments, with a wide range of accessories for special applications
- · 2 alarm levels per detector module for tiered alerting
- Optional Ethernet (TCP/IP) / SNMP / data loger
- Operating temperature: -40 °F to +140 °F (-40 °C to +60 °C) depending on version
- · Also available as TITANUS PRO·SENS® / net standard and SILENT version

### Approvals



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### Aspirating Smoke Detector TITANUS PRO·SENS<sup>®</sup> / net

### TITANUS PRO·SENS<sup>®</sup> / net | Components





1





3

The aspirating smoke detector consists of the basic device (1), one or two detector modules (2) and an adhesive front film sheet (3).

TITANUS PRO·SENS<sup>®</sup> / net

System

### 1 Basic Device

Type Max. Main Alarm Sensitivity No. of Detector Modules (Zones) Max. No. of Aspiration Holes Max. Area of Coverage Max. Pipe Length Cross-Zoning Alarm Verification No. of Alarm Levels per Zone No. of Output Relays (1 A / 30 VDC) Front Indicators Ethernet / SNMP / Data Logger (SD Card) **Binary Data Logger** Supply Voltage "Current Consumption min. Operational (1 Detector Module, 24 V DC) Alarm" "Current Consumption min. Operational (2 Detector Module, 24 V DC) Alarm" **Operating Temperature** Humidity Range Sound Pressure Level (ISO 3744) Dimensions Weight (Basic Configuration) **Pipe Specification IP** Rating

## TITANUS PRO·SENS<sup>®</sup> / net

Cold Storage Version

### TP-4-F-U 0.005 % obsc./ft (0.015 % obsc./m) 1 or 2 2 x 63 64,560 ft<sup>2</sup> (6,000 m<sup>2</sup>) per system / 32,280 ft<sup>2</sup> (3,000 m<sup>2</sup>) per zone 1 x 980 ft (1 x 300 m) per zone optional with 2nd detector module 2 6 relays (changeover / form C) Fault; Operation; per Zone: 2 x Alarm optional<sup>(1)</sup> standard 24 V DC (14 to 30 V DC) 210 mA 220 mA 240 mA 250 mA -40 °F to +140 °F (-20 °C to +60 °C) 10 % to 95 % (noncondensing) as low as 45 dB(A) 4.5 x 7.9 x 11.5 inches (113 x 200 x 292 mm) 3.0 lbs + 0.22 lbs (1,350 g + 100 g) per detector module 63 / 64 inches (25 mm) standard: IP 20 / optional: IP 52

### 2 Detector Modules

DM-TT-50-L-F-U

Standard

0.15 % obsc./ft

(0.5 % obsc./ft)

### DM-TT-10-L-F-U 0.22 lbs (100 g)

### Medium

0.03 % obsc./ft (0.10 % obsc./m) High

DM-TT-01-L-F-U

0.005 % obsc./ft (0.015 % obsc./m)

### **3 Adhesive Front Film Sheets**

Using 1(2) Detector Modules, Type

Max. Main Alarm Sensitivity

FW-TP-4 (FW-TP-5; for indicating external shutdown: FW-TP-6)

(1) Network Module with Data Logger: NU-5-D-F; Data Logger only: NU-5-DO-F



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Type

Weight

Sensitivity Rating

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### Aspirating Smoke Detector TITANUS PRO-SENS<sup>®</sup> / net

### Standard and SILENT-Version TP-4(-SL)-U

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TITANUS PRO·SENS <sup>®</sup> / net   Com	ponents								
	+	2	Cons Cons one of	aspirating smoke detector ists of the basic device (1), or two detector modules (2) an adhesive front film sheet (3).					
TITANUS PRO·SENS <sup>®</sup> / net									
	System	TITANUS PRO·SENS <sup>®</sup> Standard Version	/ net T	TTANUS PRO·SENS <sup>®</sup> / net SILENT Version					
1 Basic Device			1						
	Туре	TT-4-U		TT-4-SL-U					
Max. Main Alarm	,	0.00	05 % obsc./ft (0.015 % o	obsc./m)					
No. of Detector Modu Max. No. of Aspir	· · · · ·	2 x 63	1 or 2	1 x 100 or 2 x 72 <sup>(1)</sup>					
Max. No. of Aspir Max. Area o			1²) per system / 32,280						
	Pipe Length		x 980 ft (1 x 300 m) per						
Cross-Zoning Alarm		optional with 2nd detector module							
No. of Alarm Leve			2						
No. of Output Relays (1 A	A / 30 VDC)	6 relays (changeover / form C)							
Fron	t Indicators	Fault; Operation; per Zone: 2 x Alarm							
Ethernet / SNMP / Data Logger	r (SD Card)	optional <sup>(2)</sup>							
Binary D	)ata Logger	standard							
Sup	ply Voltage	24 V DC (14 to 30 V DC)							
"Current Consumption min. ( (1 Detector Module, 24 V	DC) Alarm"	210 mA 220 mA		130 mA 140 mA					
"Current Consumption min. ( (2 Detector Module, 24 V	DC) Alarm"	240 mA 250 mA		160 mA 170 mA					
Operating To		4 °F to +140 °F (-20 °C to	<i>,</i>	°F to +104 °F (0 °C bis +40 °C)					
Hum Sound Pressure Level	idity Range	10 as low as 45 dB(A)	) % to 95 % (nonconde 	nsing) as low as 23 dB(A) <sup>(3)</sup>					
	(ISO 3744) Dimensions		x 11.5 inches (113 x 20						
ا Weight (Basic Co			,	,					
0 (	pecification	3.0 lbs + 0.22 lbs (1,350 g + 100 g) per detector module 63 / 64 inches (25 mm)							
	IP Rating	sta	andard: IP 20 / optional:						
2 Detector Modules	-								
	Туре	DM-TT-50-L-U	DM-TT-10-L-U	DM-TT-01-L-U					
	Weight		0.22 lbs (100 g)						
Sensit	tivity Rating	Standard	Medium	High					
Max. Main Alarm	n Sensitivity	0.15 % obsc./ft (0.5 % obsc./ft)	0.03 % obsc./ft (0.10 % obsc./m)	0.005 % obsc./ft (0.015 % obsc./m)					
3 Adhesive Front Film Sheets			,						
Using 1(2) Detector Mo	dules, Type	FW-TP-4 (FW-TP-	5; for indicating externa	al shutdown: <b>FW-TP-6)</b>					
<ul> <li>(1) Fan Controller Type FC-3 required for more t</li> <li>(2) Network Module with (without) Data Logger:</li> <li>(3) As low as 31 dB (A) without sound absorber</li> </ul>	NU-5-D (NU-5); Data Log								
National Fire	TORONTO: (905) 761-635 Toll Free: (800) 267-8508	55 VANCOUVER: (604) 420-1131 Toll Free: (800)-667-2138	EDMONTON: (780) 455-3870 Toll Free: (888)-891-1008	MONCTON: (506) 859-7277 Toll Free: (877) 816-3473					
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### Cold Storage Version TP-5-F-U

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- · High reliability and extended service life due to physical separation of disturbing influences such as dust, vapor or radiation from the measuring chamber.
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- · Intelligent diagnostics tool gives support at inspection and service.



#### **Features**

- System coverage up to 64,560 ft<sup>2</sup> (6,000 m<sup>2</sup>) or rather 32,280 ft<sup>2</sup> (3,000 m<sup>2</sup>) per detector module
- High-Power-Light-Source (HPLS) for standard to very high sensitivity
- LOGIC SENS<sup>™</sup> for very high immunity to false alarms
- · PIPE GUARD patented air flow monitoring system, sensing changes in total airflow as little as +/-10 %
- Optional 2nd detector module for cross-zoning alarm verification or increased area of coverage
- Up to 984 ft (300 m) pipe length and up to 63 holes per detector module
- · Designed for harsh environments, with a wide range of accessories for special applications
- · 3 alarm levels per detector module for tiered alerting
- Optional Ethernet (TCP/IP) / SNMP / data loger
- Operating temperature: -40 °F to +140 °F (-40 °C to +60 °C) depending on version
- · Also available as TITANUS PRO·SENS® / net standard and SILENT version

### Approvals



Additional approvals on request and / or at www.wagnergroup.com



National Fire Equipment Ltd. | OTTAWA: (613) 723-6071

TORONTO: (905) 761-6355 Toll Free: (800) 267-8508

VANCOUVER: (604) 420-1131 Toll Free: (800)-667-2138

EDMONTON: (780) 455-3870 Toll Free: (888)-891-1008 CALGARY: (403) 236-5661

MONCTON: (506) 859-7277 Toll Free: (877) 816-3473

MISSISSAUGA: (905) 565-1385

BURNABY: (604)-299-4498 www.nationalfire.com

### Aspirating Smoke Detector TITANUS PRO·SENS<sup>®</sup> / net

### TITANUS PRO-SENS® / net | Components





1



2



3

The aspirating smoke detector consists of the basic device (1), one or two detector modules (2) and an adhesive front film sheet (3).

TITANUS PRO·SENS<sup>®</sup> / net

System

### 1 Basic Device

Type Max. Main Alarm Sensitivity No. of Detector Modules (Zones) Max. No. of Aspiration Holes Max. Area of Coverage Max. Pipe Length Cross-Zoning Alarm Verification No. of Alarm Levels per Zone No. of Output Relays (1 A / 30 VDC) Front Indicators Ethernet / SNMP / Data Logger (SD Card) **Binary Data Logger** Supply Voltage "Current Consumption min. Operational (1 Detector Module, 24 V DC) Alarm" "Current Consumption min. Operational (2 Detector Module, 24 V DC) Alarm" **Operating Temperature** Humidity Range Sound Pressure Level (ISO 3744) Dimensions Weight (Basic Configuration) **Pipe Specification IP** Rating

### TITANUS PRO·SENS<sup>®</sup> / net Cold Storage Version

TP-5-F-U 0.005 % obsc./ft (0.015 % obsc./m) 1 or 2 2 x 63 64,560 ft<sup>2</sup> (6,000 m<sup>2</sup>) per system / 32,280 ft<sup>2</sup> (3,000 m<sup>2</sup>) per zone 1 x 980 ft (1 x 300 m) per zone optional with 2nd detector module 3 8 relays (changeover / form C) Fault; Operation; per Zone: 3 x Alarm optional(1) standard 24 V DC (14 to 30 V DC) 210 mA 220 mA 240 mA 250 mA -40°F to +140°F (-40°C to +60°C) 10 % to 95 % (noncondensing) as low as 45 dB(A) 4.5 x 7.9 x 11.5 inches (113 x 200 x 292 mm) 3.0 lbs + 0.22 lbs (1,350 g + 100 g) per detector module 63 / 64 inches (25 mm) standard: IP 20 / optional: IP 52

### 2 Detector Modules

### DM-TT-50-L-F-U

Standard

0.15 % obsc./ft

(0.5 % obsc./ft)

### DM-TT-10-L-F-U 0.22 lbs (100 g) Medium

0.03 % obsc./ft

(0.10 % obsc./m)

High 0.005 % obsc./ft (0.015 % obsc./m)

DM-TT-01-L-F-U

**3 Adhesive Front Film Sheets** 

Using 1(2) Detector Modules, Type

Max. Main Alarm Sensitivity

FW-TP-7 (FW-TP-8; for indicating external shutdown: FW-TP-9)

(1) Network Module with Data Logger: NU-5-D-F; Data Logger only: NU-5-DO-F



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Sensitivity Rating

Type Weight

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www.nationalfire.com



### Aspirating Smoke Detector TITANUS PRO·SENS<sup>®</sup> / net

### Standard and SILENT-Version TP-5(-SL)-U

### TITANUS<sup>®</sup> aspirating smoke detector

The TITANUS<sup>®</sup> 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 PRO·SENS® / net aspirating smoke detection system combines High-Power-Light-Source (HPLS) technology with patented LOGIC SENS<sup>TM</sup> 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. Its modular design facilitates cost effective solutions for a wide range of specialized requirements. Optional second plug-in detector module allows one aspirating unit to economically monitor two separate areas or alternatively to be used for crosszoning alarm verification. TITANUS PRO-SENS® / net comes with dry contacts for connection to any fire panel as well as free slots for inserting bus modules.

### **Advantage**

- Modular design for cost effective solutions to fit the needs on side.
- · High reliability and extended service life due to physical separation of disturbing influences such as dust, vapor or radiation from the measuring chamber.
- TITANUS<sup>®</sup> 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**

- System coverage up to 64,560 ft<sup>2</sup> (6,000 m<sup>2</sup>) or rather 32,280 ft<sup>2</sup> (3,000 m<sup>2</sup>) per detector module
- High-Power-Light-Source (HPLS) for standard to very high sensitivity
- LOGIC SENS<sup>™</sup> for very high immunity to false alarms
- PIPE GUARD patented air flow monitoring system, sensing changes in total airflow as little as +/-10 %
- · Optional 2nd detector module for cross-zoning alarm verification or increased area of coverage
- Up to 984 ft (300 m) pipe length and up to 100 holes per detector module
- · Designed for harsh environments, with a wide range of accessories for special applications
- · 3 alarm levels per detector module for tiered alerting
- · Optional Ethernet (TCP/IP) / SNMP / data loger
- Operating temperature: -4 °F to +140 °F (-20 °C to +60 °C) depending on version
- Also available as TITANUS PRO·SENS® / net cold storage version

### Approvals



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National Fire Equipment Ltd.								
Aspirating Smoke Detector TITANUS PRO-SENS <sup>®</sup> / net								
TITANUS PRO·SENS <sup>®</sup> / net   Comp								
		 、	<u></u>					
	+		consi one o	aspirating smoke detector sts of the basic device (1), r two detector modules (2) n adhesive front film sheet (3).				
TITANUS PRO·SENS <sup>®</sup> / net								
	System	TITANUS PRO·SENS <sup>®</sup> Standard Version	/ net TI	TANUS PRO·SENS <sup>®</sup> / net SILENT Version				
1 Basic Device	Туре	TT-5-U	1	TT-5-SL-U				
Max. Main Alarm			<b>ا</b> 5 % obsc./ft (0.015 % o					
No. of Detector Module	,		1 or 2					
Max. No. of Aspira	tion Holes	2 x 63		1 x 100 or 2 x 72 <sup>(1)</sup>				
Max. Area of	Coverage	64,560 ft² (6,000 m	²) per system / 32,280 f	t² (3,000 m²) per zone				
	pe Length	1 x 980 ft (1 x 300 m) per zone						
Cross-Zoning Alarm \		optional with 2nd detector module						
No. of Alarm Levels No. of Output Relays (1 A	•	3						
	Indicators	8 relays (changeover / form C) Fault; Operation; per Zone: 3 x Alarm						
Ethernet / SNMP / Data Logger		optional <sup>(2)</sup>						
	ata Logger	standard						
Supp	ly Voltage	24 V DC (14 to 30 V DC)						
"Current Consumption min. C (1 Detector Module, 24 V I	•	210 mA     130 mA       220 mA     140 mA						
"Current Consumption min. C (2 Detector Module, 24 V I	)C) Alarm"	240 mA         160 mA           250 mA         170 mA						
Operating Te	-	-4 °F to +140 °F (-20 °C to +60 °C) +32 °F to +104 °F (0 °C bis +40 °C)						
Sound Pressure Level (	lity Range ISO 3744)	10 % to 95 % (noncondensing) as low as 45 dB(A) as low as 23 dB(A) <sup>(3)</sup>						
· · · · · · · · · · · · · · · · · · ·	imensions		ا x 11.5 inches (113 x 200					
Weight (Basic Con	figuration)	3.0 lbs + 0.22 lbs (1,350 g + 100 g) per detector module						
Pipe Specification		63 / 64 inches (25 mm)						
	IP Rating standard: IP 20 / optional: IP 52							
2 Detector Modules	Time	DM TT CO L LL						
	Type Weight	DM-TT-50-L-U	<b>DM-TT-10-L-U</b> 0.22 lbs (100 g)	DM-TT-01-L-U				
Sensiti	vity Rating	Standard	Medium	High				
Max. Main Alarm	Sensitivity	0.15 % obsc./ft (0.5 % obsc./ft)	0.03 % obsc./ft (0.10 % obsc./m)	0.005 % obsc./ft (0.015 % obsc./m)				
3 Adhesive Front Film Sheets		· .	. ,					
Using 1(2) Detector Mod	ules, Type	FW-TP-7 (FW-TP-8);	for indicating externa	al shutdown: FW-TP-9)				
<ol> <li>(1) Fan Controller Type FC-3 required for more th</li> <li>(2) Network Module with (without) Data Logger: N</li> <li>(3) As low as 31 dB (A) without sound absorber types</li> </ol>	IU-5-D (NU-5); Data Logg							
	TORONTO: (905) 761-6355		EDMONTON: (780) 455-3870	MONCTON: (506) 859-7277				
Denter to 1	Toll Free: (800) 267-8508 OTTAWA: (613) 723-6071	Toll Free: (800)-667-2138 BURNABY: (604)-299-4498 www.nationalfire.com	Toll Free: (888)-891-1008 CALGARY: (403) 236-5661	Toll Free: (877) 816-3473 MISSISSAUGA: (905) 565-1385 Versio				

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