

Network modules



Network modules

Extension module for integration into Ethernet networks. To be used for TITANUS MICRO-SENS®, TITANUS PRO-SENS®/net, TITANUS TOP-SENS® and TITANUS SUPER-SENS® systems

Data sheet excerpt:

Operating voltage	14 to 30 V DC
Rated voltage	24 V DC
Weight	160 g
VPE	1 pc

Performance characteristics depending on product variant:

- Establishing a hazard management system
- Transmission of device-specific data via SNMP protocol and SNMP traps
- Visualization of device information via integrated web interface
- Data recording for visualization of status and history data on an SD card
- Use in cold storage areas from -40 °C

Network modules overview

Suitability for aspirating smoke detector system	Operating temperature range [°C]	TCP/IP, SNMP	Web server (integrated web interface)	Data logger (SD card)	Article number	Type	Current draw (24 V DC) [mA]
TITANUS MICRO-SENS®*	-20 to +60	×	×	×	09-20-6400	NU-2-D	50
		–	–	×	09-20-6405	NU-2-DO	
	-40 to +60	×	–	–	09-20-6140	NU-2	
		×	×	×	09-20-6410	NU-2-D-F	
		–	–	×	09-20-6415	NU-2-DO-F	
TITANUS TOP-SENS®, TITANUS PRO-SENS®/net, TITANUS SUPER-SENS®	-20 to +60	×	×	×	09-20-6445	NU-5-D	40
		–	–	×	09-20-6450	NU-5-DO	
	-40 to +60	×	–	–	09-20-6440	NU-5	
		×	×	×	09-20-6455	NU-5-D-F	
		–	–	×	09-20-6460	NU-5-DO-F	

* Installation in external housing required. Accessory housing type AB-1 (AD-05-5200) with front film sheet type FW-AB-1 (AD-10-1500) recommended.

Modules for shutting down external equipment

Common performance characteristics:

- Visual status indicator for completed shutdown at the housing front
- Shutdown can be released via external release input

Shutdown modules

Extension modules and adapter cables for monitored shutdown of external equipment for TITANUS *PRO-SENS*®/net and TITANUS *TOP-SENS*®

Article no. **09-20-6150**



Shutdown module TITANUS *TOP-SENS*® Type SU-1

Extension module for monitored shutdown of external equipment

Data sheet excerpt:

Operating voltage	17 to 30 V DC
Rated voltage	24 V DC
Current draw in stand-by (24 V)	6 mA
Current draw during alarm (24 V)	45 mA
Operating temperature range	-40 °C to +60 °C
Weight	67 g

VPE 1 pc

Performance characteristics:

- Intended for installation in aspirating smoke detector TITANUS *TOP-SENS*®

Article no. **09-20-6160**



Shutdown module TITANUS *PRO-SENS*®/net Type SU-2

Extension module for monitored shutdown of external equipment

Data sheet excerpt:

Operating voltage	17 to 30 V DC
Rated voltage	24 V DC
Current draw in stand-by (24 V)	6 mA
Current draw during alarm (24 V)	45 mA
Operating temperature range	-40 °C to +60 °C
Weight	67 g

VPE 1 pc

Performance characteristics:

- Intended for installation in aspirating smoke detector TITANUS *PRO-SENS*®/net

Relay modules for TITANUS MICRO-SENS®

Relay modules

Extension modules with dry alarm contacts

Article no. **09-20-6680**



Relay module for TITANUS MICRO-SENS® Type RU-1

Extension module with 5 dry alarm contacts for forwarding the localization of the alarm location by TITANUS MICRO-SENS® with ROOM-IDENT

Data sheet excerpt:

Operating temperature range	-40 °C to +60 °C
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VPE	1 pc
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i	For installation in accessory housing type AB-1 (AD-05-5200)
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Performance characteristics:

- One relay contact per alarm location

Article no. **09-20-6681**



Relay module for TITANUS MICRO-SENS® Type RU-2

Extension module with 5 dry contacts for connection to TITANUS MICRO-SENS® with pre-alarm

Data sheet excerpt:

Operating temperature range	-40 °C to +60 °C
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VPE	1 pc
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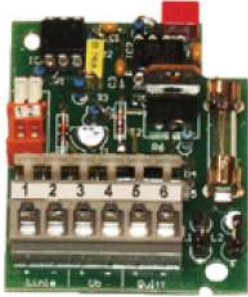
i	For installation in accessory housing type AB-1 (AD-05-5200)
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Performance characteristics:

- Two relay contacts each (change-over contacts) for "pre-alarm" and "alarm"
- 1 relay contact (change-over contact) for "collective fault"

Reset boards and buttons for reset and disconnection**Resetting and disconnecting**

Circuit board for resetting aspirating smoke detectors via the detector line and buttons for manual disconnection or resetting

Article no. **09-20-5481****Reset board
Type E548/c**

Extension circuit board for resetting the alarm and fault reports from the aspirating smoke detector via the detector line

Data sheet excerpt:

Current draw	5 to 50 mA
Dimensions (L × W)	57 × 45 mm
Operating temperature range	−40 °C to +60 °C

VPE 1 pc

Performance characteristics:

- Circuit board for use in TITANUS® aspirating smoke detectors or in the housing for TITANUS® accessories

Article no. **AD-10-4200****Reset and disconnect button
Type RTT-1**

Enables the aspirating smoke detectors to be reset or the devices to be disconnected from a higher-level fire alarm control panel

Data sheet excerpt:

Operating voltage	14 to 30 V DC
Rated voltage	24 V DC
Current draw in stand-by (24 V)	6 mA
Current draw during alarm (24 V)	45 mA
Max. contact load	30 W
Dimensions (W × H)	35.56 × 133.5 mm
Dimensions (19")	3 U, 7 DU
Operating temperature range	−35 °C to +70 °C

VPE 1 pc

Performance characteristics:

- Circuit board for use in TITANUS® aspirating smoke detectors or in the housing for TITANUS® accessories
- Operation via external command unit in 482.6 mm (19") frame

Accessory circuit board for controlling the fan voltage

Fan control

Accessory circuit board for fan control

Article no. **09-20-6830**



Fan control for aspirating smoke detectors

Type FC-3

Accessory circuit board for operating aspirating smoke detectors with very high aspiration capacity and short transport times. To be used in "SL" variants of TITANUS *FUSION*®, TITANUS *PRO-SENS*®, TITANUS *PRO-SENS*®/net and TITANUS *TOP-SENS*® systems

Data sheet excerpt:

Operating temperature range	0 °C to +40 °C
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VPE	1 pc
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Performance characteristics:

- Three fan stages (10 V, 11 V and 12 V)

Housing to accommodate accessories**Additional housing**

Wall housing to accommodate accessory modules, circuit boards and input modules for aspirating smoke detectors

Article no. **AD-05-5200****Housing for TITANUS® accessories
Type AB-1****Additional housing for TITANUS® accessories****Data sheet excerpt:**

Dimensions (W × H × D)	140 × 200 × 70 mm
Housing material	ABS plastics
Housing color	RAL 9018, Papyrus white

VPE 1 pc

i Front film sheet AD-10-1500 required

Performance characteristics:

- Integrated mounting plate for attaching accessories such as input module, network module or reset board

Article no. **AD-10-1500****Front film sheet for TITANUS® additional housing
Type FW-AB-1****Front film sheet for TITANUS® additional housing type AB-1****Data sheet excerpt:**

Weight	3 g
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VPE 1 pc

Additional indications for remote information

TITANUS MICRO-SENS®

Remote displays and response indicators for additional visualization of status information and response indicators for identifying the seat of fire via ROOM-IDENT

Article no. **AD-05-2100**



Performance characteristics:

- Eight visual status indicators at the housing front for "operation", "alarm", "fault" and alarm location displays
- Bargraph display for visual indication of current smoke level
- Option for reading out extensive service information and hints for troubleshooting
- Installation at a maximum distance of 1,000 m cabling length possible

TITANUS MICRO-SENS® remote display Type RD-TM

Remote display in wall housing for additional visualization of the status information of a TITANUS MICRO-SENS® at selected points

Data sheet excerpt:

Operating voltage	15 to 30 V DC
Rated voltage	24 V DC
Current draw in stand-by (24 V)	15 mA
Current draw during alarm (24 V)	50 mA
Dimensions (W × H × D)	150 × 200 × 70 mm
Operating temperature range	−40 °C to +60 °C
Housing material	ABS plastics
Housing color	RAL 9018, Papyrus white

VPE 1 pc

i Requires same front film sheet as for the connected basic device

Article no. **AD-05-2000**



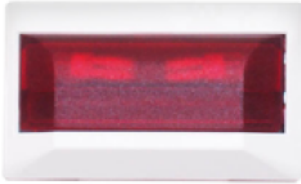
Response indicator Type DJ-TM

Visual addressable alarm location indicator for TITANUS MICRO-SENS®

Data sheet excerpt:

Operating voltage	15 to 30 V DC
Current draw in stand-by (24 V)	2 mA
Current draw during alarm (24 V)	8 mA
Dimensions (W × H × D)	85 × 85 × 45 mm
Housing color	RAL 9010, Pure white

VPE 1 pc

**Additional indications
for remote information****TITANUS PRO-SENS®****Visual remote display for connection to dry contacts of automatic fire detectors**Article no. **BM-20-0205****Performance characteristics:**

- Suitable for mounting on door frames

Response indicator**Type FDAI 91****Visual remote display to indicate the alarm status for
TITANUS FUSION® and TITANUS PRO-SENS®****Data sheet excerpt:**

Operating voltage	5 to 8 V DC
Rated voltage	6 V DC
Current draw during alarm	35 mA
Dimensions (W × H × D)	62 × 37 × 24 mm
Operating temperature range	-25 °C to +80 °C

VPE 1 pc

Article no. **BM-20-0225****Performance characteristics:**

- For mounting on walls

Response indicator**Type FDAI 92****Visual remote display to indicate the alarm status for
TITANUS FUSION® and TITANUS PRO-SENS®****Data sheet excerpt:**

Operating voltage	5 to 8 V DC
Rated voltage	6 V DC
Current draw during alarm	35 mA
Dimensions (W × H × D)	85 × 85 × 28 mm
Operating temperature range	-25 °C to +80 °C

VPE 1 pc

Additional indications in wall housing

Additional indications in wall housing

Displays in wall housing for additional visualization of the status information of TITANUS *PRO-SENS*®/net, *TOP-SENS*® aspirating smoke detectors at a selected point

Data sheet excerpt:

Operating voltage	8 to 30 VDC
Rated voltage	24 VDC
Dimensions (W × H × D)	150 × 150 × 57 mm
Housing material	ABS plastics
Housing color	RAL 7035, Light gray
Performance characteristics	<ol style="list-style-type: none"> 1. Installation at a maximum distance of 1,000 m 2. Display of all status indications of the connected detector and of the bargraph display (if any) at the housing front

Remote display for detector type	Number of detector modules	Remote display in wall housing			Related front film sheet	
		Current draw at stand-by (alarm) [mA]	Article number	Type	Article number	Type
TITANUS <i>PRO-SENS</i> ®/net TP-3	1	10 (12)	AD-05-1305	RD-TP	AD-05-1420	FW-RD-TP
	2				AD-05-1430	FW-RD-TP2
TITANUS <i>PRO-SENS</i> ®/net TP-4	1	10 (12)	AD-05-1300	RD-TT	AD-05-1435	FW-RD-TP-4
	2				AD-05-1440	FW-RD-TP-5
TITANUS <i>PRO-SENS</i> ®/net TP-5	1	10 (12)	AD-05-1300	RD-TT	AD-05-1437	FW-RD-TP-6
	2				AD-05-1442	FW-RD-TP-7
TITANUS <i>TOP-SENS</i> ® TT-1/a	1	10 (65)	AD-05-1300	RD-TT	AD-05-1320	FW-RD-TT
	2				AD-05-1325	FW-RD-TT2

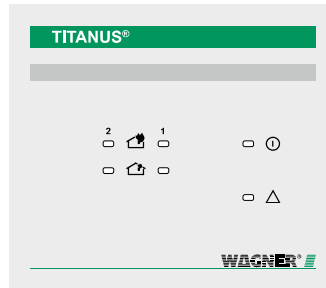
Remote display on the example of

TITANUS *TOP-SENS*®,
Art. no. AD-05-1300



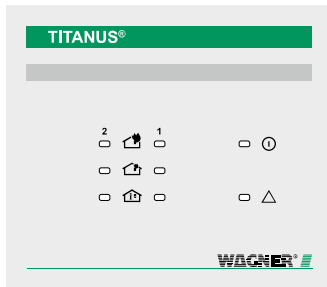
Front film sheet on the example of

TITANUS *PRO-SENS*® TP-4,
2 detector modules, art. no. AD-05-1440



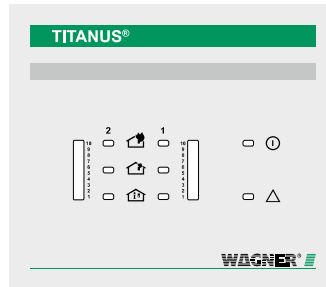
Front film sheet on the example of

TITANUS *PRO-SENS*® TP-5,
Art. no. AD-05-1442



Front film sheet on the example of

TITANUS *TOP-SENS*®,
2 detector modules, art. no. AD-05-1325





Blank cover plates 482.6 mm (19")**Blank cover plates 482.6 mm (19")****Blank cover plate for closing an unused slot in a 19" frame**Article no. **AD-10-0300****Blank cover plate for remote display
Type BP-RD-1****For closing unused slots in cabinets with 482.6 mm design (19"),
besides remote displays****Data sheet excerpt:**

Dimensions (W × H)	106.68 × 133.35 mm
Dimensions (19")	3 U, 21 DU
Housing color	RAL 9018, Papyrus white
VPE	1 pc

Article no. **AD-10-0305****Blank cover plate for remote display
Type BP-RD-2****For closing unused slots in cabinets with 482.6 mm design (19"),
besides remote displays****Data sheet excerpt:**

Dimensions (W × H)	142.24 × 133.35 mm
Dimensions (19")	3 U, 28 DU
Housing color	RAL 9018, Papyrus white
VPE	1 pc