EXIGO

NATIVE IP PUBLIC ADDRESS & GENERAL ALARM SYSTEM

VINGTOR ◆ STENTOFON

when communication is critical

VINGTOR STENTOFON

by ZENITEL GROUP

Vingtor-Stentofon products are developed by the Zenitel Group and includes a range of high quality communications equipment and systems. Being in business since 1901, Zenitel's products are recognized globally for offering high quality communications for both offshore and onshore installations. Primary system offering within the Vingtor-Stentofon portfolio are Public Address and Intercom. Zenitel and the company's global partner network, also integrate these systems with other security devices; including Radio, CCTV, Access Control and Alarm for a comprehensive security solution.

Vingtor-Stentofon is world-renowned for its extensive knowledge in the design, construction, installation and maintenance of integrated marine communication systems. Leveraging our long-term experience serving the maritime industry, we offer an impressive portfolio and provide cutting edge solutions to vessels worldwide under the brand name of Vingtor-Stentofon. The Vingtor-Stentofon brand underpins our reputation as a supplier of the most flexible, reliable and advanced communication systems available today.

MEETING YOUR REGULATORY REQUIREMENTS

All Vingtor-Stentofon products that form a part of critical communication have been tested according to IEC 60945, IEC 60533 standards, and comply with SOLAS regulations and codes relevant to on-board communication systems. Our systems are delivered in accordance with the rules of all major classification societies.

FOR ALL YOUR SALES & AFTER SERVICE REQUIREMENTS

Vingtor-Stentofon is a specialist provider of spare parts, repairs, maintenance contracts and refit solutions. Responsibility and availability are our guidelines and customer support and service a first priority.

2015	2013	2012	2011	2009

1952	1964	1975	1996	2001

EXIGO

NATIVE IP PUBLIC ADDRESS & GENERAL ALARM SYSTEM

The Exigo system is specially designed to meet the demands of public address and general alarm systems for offshore installation and ships. The system is scalable and offers a set of standard and optional features making it ideal for all kinds of ships and offshore installations.

The system can also utilize innovative addressable IP loudspeakers. The IP loudspeakers are individually addressable, configurable and monitored. Each IP loudspeaker features maximum 10 watt audio effect. One system controller can handle up to 500 IP loudspeakers. More IP loudspeakers can be added by adding one or more system controllers to the system.
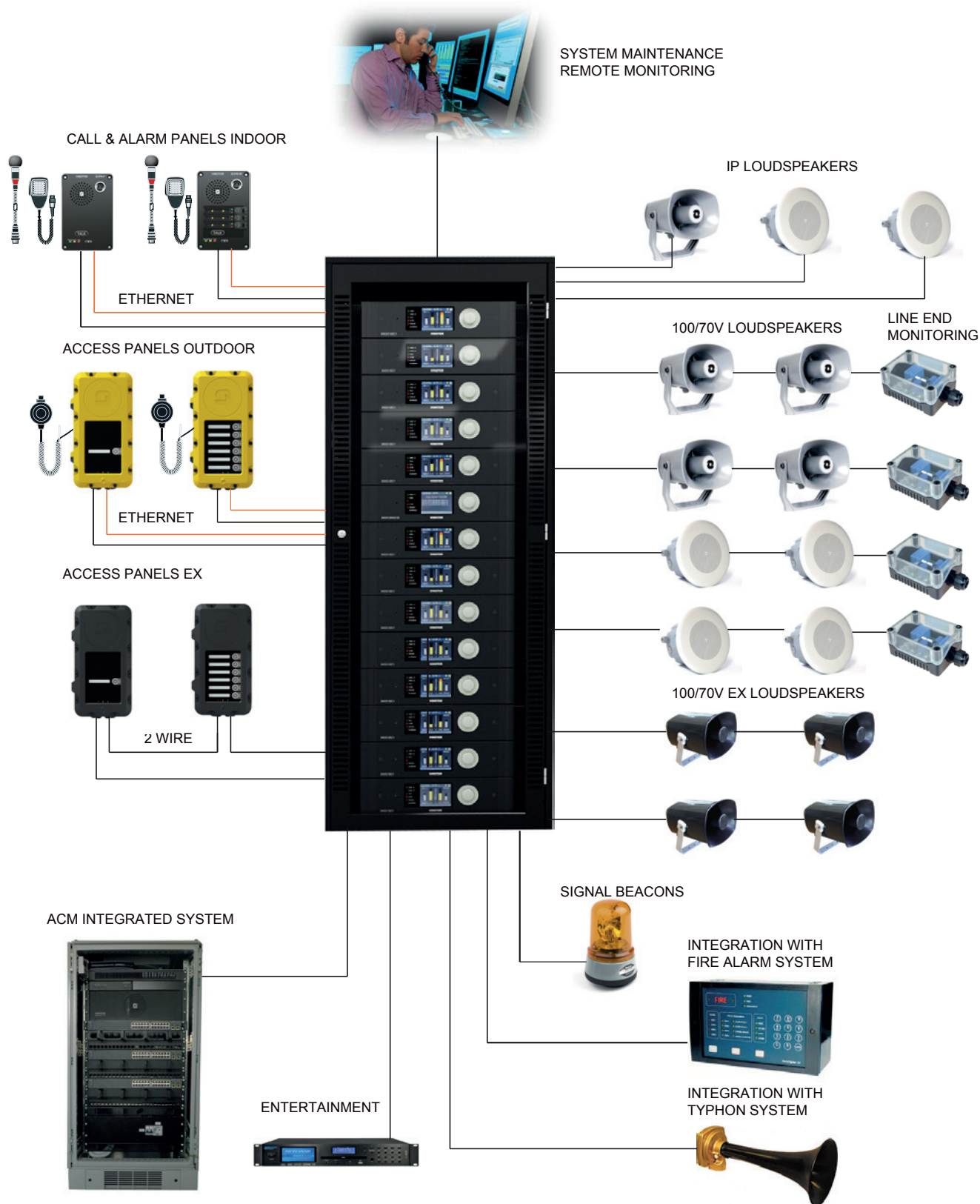
The Exigo system supports the integrated PA and GA solution. This solution is type approved for public address and general alarm. Together with the ACM, the Exigo system is cost efficient where loudspeaker loops are used together with the integrated ACM units to cover areas where PA and GA are required.

The system is delivered in one or more racks with all internal wiring and configuration done according to customer specifications.

FEATURES

- Fully IP PA and GA system made for offshore and ship environments
- Addressable IP loudspeakers supporting PoE (10 Watts)
- Full monitoring of system components, call panels and speaker loops
- Power amplifiers 100/70 volt line with Ethernet interface
- Supports 250 PA zones
- Supports 150 IP call/alarm panels
- Control inputs and outputs
- Analogue audio inputs and outputs
- Mains 115/230 Vac and 24/48 Vdc emergency power with automatic switch over
- Integration with PBX, typhoon and fire alarm
- Supports Integrated PA, GA and intercom solution

SYSTEM MAINTENANCE
REMOTE MONITORING

CALL & ALARM PANELS INDOOR

IP LOUDSPEAKERS

ETHERNET

ACCESS PANELS OUTDOOR

100/70V LOUDSPEAKERS

LINE END
MONITORING

ETHERNET

ACCESS PANELS EX

100/70V EX LOUDSPEAKERS

2 WIRE

ACM INTEGRATED SYSTEM

SIGNAL BEACONS

INTEGRATION WITH
FIRE ALARM SYSTEM

ENTERTAINMENT

INTEGRATION WITH
TYPHON SYSTEM

EXIGO CENTRAL EQUIPMENT

See Catalog "Common Equipment" for suitable system racks

1023000000

ESC1
EXIGO SYSTEM CONTROLLER

- System controller
- Control and routing of audio channels
- 115/230 VAC primary power and 24-48 VDC secondary power
- Redundant Ethernet connections
- Digital audio processing
- Monitored control inputs
- Control outputs
- Up to 12 analogue audio inputs/outputs
- Receives, handles and stores fault messages from the system
- Interface to PABX and IPBX
- Voice message storage
- Programmable alarm generator

Size (WxHxD): 482,2 x 87,5 x 394 mm
Weight: 10.0 kg

Additional Information: IP-32

1023102200

ENA2200
EXIGO NETWORK AMPLIFIER
2 X 200 WATT POWER

- 2 audio channels in one 2U 19" housing
- 200 watt output power per channel
- 100V and 70V loudspeaker outputs
- 115/230 VAC primary power and 24-48 VDC secondary power
- Redundant Ethernet connections
- Digital audio processing, equalizer and audio delay
- Monitored control inputs
- Control outputs
- Analogue audio inputs
- Loudspeaker line monitoring
- Amplifier monitoring
- Input for backup amplifier

Size (WxHxD): 482,2 x 87,5 x 394 mm
Weight: 15.0 kg

Additional Information: IP-32

1023102400

ENA2400
EXIGO NETWORK AMPLIFIER
2 X 400W POWER

- 2 audio channels in one 2U 19" housing
- 400 watt output power per channel
- 100V and 70V loudspeaker outputs
- 115/230 VAC primary power and 48 VDC secondary power
- Redundant Ethernet connections
- Digital audio processing, equalizer and audio delay
- Monitored control inputs
- Control outputs
- Analogue audio inputs
- Loudspeaker line monitoring
- Amplifier monitoring
- Input for backup amplifier

Size (WxHxD): 482,2 x 87,5 x 394 mm
Weight: 16.5 kg

Additional Information: IP-32

VINGTOR STENTOFON

EXIGO
CALL & ALARM PANELS INDOOR

1023200030

ECPIR-P EXIGO CALL PANEL, PTT BUTTON, PLUGGABLE MICRO-PHONE, ETHERNET

- Fully digital call panel for console mounting
- Communication and power over Ethernet
- One programmable button with label and status indicators
- Separate PTT button
- Indicators for power, call and fault
- Can be used with either handheld or gooseneck microphone
- For single or dual systems
- Up to four EBMDR-8 expansion modules can be connected

Size (WxHxD): 96 x 144 x 50 mm
Weight: 0,500 kg

Additional Information: IP-32

1023200033

ECPIR-3P EXIGO CALL PANEL, PTT + 3 BUTTONS, PLUGGABLE MICRO-PHONE, ETHERNET

- Fully digital call panel for console mounting
- Communication and power over Ethernet
- Three programmable buttons with individual labels and status indicators
- Separate PTT button
- Optional button protection covers
- Indicators for power, call and fault
- Can be used with either handheld or gooseneck microphone
- For single or dual systems
- Up to four EBMDR-8 expansion modules can be connected

Size (WxHxD): 96 x 144 x 50 mm
Weight: 0,500 kg

Additional Information: IP-32

1023201008

EAPIR-8 EXIGO ALARM PANEL, 8 BUTTONS, ETHERNET

- Fully digital alarm panel for console mounting
- Communication and power over Ethernet
- Eight programmable buttons with individual labels and status indicators
- Optional button protection covers
- Indicators for power, call and fault
- For single or dual systems
- Up to four EBMDR-8 expansion modules can be connected

Size (WxHxD): 96 x 144 x 50 mm
Weight: 0,5 kg

Additional Information: IP-32

1023253008

EBMDR-8 EXIGO BUTTON EXPANSION MODULE, 8 BUTTONS

- Button expansion module for Exigo access panels
- Powered from master access panels
- Eight programmable buttons with individual labels and status indicators
- Optional button protection covers
- For single or dual systems
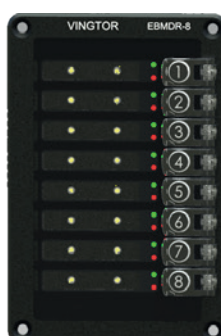
Size (WxHxD): 96 x 144 x 50 mm
Weight: 0,5 kg

Additional Information: IP-32

1008031000

CRM-V IP FLUSH MASTER

- Made for Critical Communication over IP
- Connects directly to the IP network, no geographical limitations
- Large high contrast display with backlight for excellent readability
- White light behind all keys
- Four freely programmable single-touch keys (DAK)
- Superb audio technology
- Optional handset unit
- Remote upgrade, configuration and monitoring
- Internal relay output
- Note! For single PA system only

Size (WxHxD): 125 x 280 x 30 mm
Weight: 0.37 kg

Additional information: 1008097500 Gooseneck Microphone, 1008097100 Handset Require IP station license

1008010100

CRM-V DAK KEY EXPANSION MODULE FOR CRM-V, 48 KEYS

- Extends IP Flush Master Station with 48 programmable DAK keys (direct access keys)
- Ideal for PA, talk-back and telephone calls
- Visual indications with two LEDs (green/red) per DAK key
- All keys have backlight (adjustable)
- Easy labelling of keys
- Note! For single PA system only

Size (WxHxD): 125 x 280 x 30 mm
Weight: 0.65 kg

Additional Information: For 1008031000 IP Flush master Require CRM license

1008097500

CRM-V GOOSENECK

- For CRM-V IP Flush Master

Size :N/A Weight: N/A

ACCESSORIES FOR PANELS INDOOR

3005020033

MB-30G GOOSENECK MICROPHONE

- Electret Microphone, 2K ohm
- 5-pin DIN plug
- Microphone for Exigo ECPIR family

Length: 460mm Weight: 0.1kg

Additional information: IP-rating IP-32

1023533011

EMMAR-1H HANDHELD MICROPHONE FOR ECPIR PANELS

- Handheld microphone for Exigo ECPIR family
- Stainless steel bracket included
- Push-To-Talk button
- 3-meter curly cord
- Equipped with locking DIN plug

1023595010

EMBR-1 EXIGO DESKTOP MOUNTING BOX FOR ONE ACCESS PANEL

Size (WxHxD): 104 x 188 x 74 mm
Weight: 0,35 kg

Additional information:

1023595020

EMBR-2 EXIGO DESKTOP MOUNTING BOX FOR TWO ACCESS PANELS

Size (WxHxD): 201 x 188 x 74 mm
Weight: 0,7 kg

Additional information:
1023595060 EMBR-6 Exigo kit for joining Boxes

Size (WxHxD): 170 x 105 x 45 mm
Weight: 0.3 kg

Additional information: IP-Rating IP-32

EXIGO
ACCESS PANELS OUTDOOR

ACCESSORIES FOR EXIGO ACCESS PANELS OUTDOOR

EAPII-1 EXIGO INDUSTRIAL ACCESS PANEL, 1 BUTTON

- Network access panel for industrial environments
- DSP for acoustic signal processing
- Communication and power over Ethernet
- One programmable button with individual label and status indicators
- Optional button protection cover
- Indicators for power, call and fault
- For single or dual systems (A and B systems)

Size (WxHxD): 178 x 346 x 101 mm
Weight: 1, 9 kg

Additional Information: IP-66
1023594100 Optional button protection, info page 10

EMMAI-1H EXIGO HANDHELD INDUSTRIAL MICROPHONE, 1 BUTTON, IP66

- Handheld microphone for Industrial application
- PTT-key on handset
- Noise-cancelling microphone
- HD-voice compatible*
- Designed for EXIGO industrial access-panels & Turbine industrial intercoms

    * When used with Turbine Industrial intercom stations

Size (WxHxD): 71 x 99 x 39 mm Weight: 0.8 kg

Additional Information: IP-66

EAPII-6 EXIGO INDUSTRIAL ACCESS PANEL, 6 BUTTONS

- Network access panel for industrial environments
- DSP for acoustic signal processing
- Communication and power over Ethernet
- Six programmable buttons with individual labels and status indicators
- Optional button protection covers
- Indicators for power, call and fault
- For single or dual systems (A and B systems)

Size (WxHxD): 178 x 346 x 101 mm
Weight: 1, 9 kg

Additional Information: IP-66
1023594100 Optional button protection, info page 10

EMMAI-2H HANDHELD INDUSTRIAL MICROPHONE, COMPACT

- Handheld microphone for Industrial stations
- Curled cord
- PTT key on handset
- Noise cancelling microphone
- HD voice compatible*
- Designed for EXIGO Ex access panels & Turbine Industrial intercom stations

Size (WxHxD): 44 x 68 x 21,5 mm
Weight: 0.22 kg

Additional Information: IP-66
Wallbracket included

TA-10 RELAY MODULE

- Designed for use with Turbine /Exigo Industrial IP Intercom stations
- Powered by Turbine Industrial stations (TFIE-x) or Turbine Extended Kit (TKIE-1)

Size (WxHxD): 100 x 50 x 40 mm Wt: 0.1 kg

EXIGO
ACCESS
PANELS
EX

ACCESSORIES FOR EXIGO ACCESS PANELS EX

EAPFX-1 EXIGO INDUSTRIAL EX ACCESS PANEL, 1 BUTTON

- Network access panel for explosive atmospheres
- Ex mb ib e IIC T4 Gb
- DSP for acoustic signal processing
- IP networking and power over Flowire technology
- One programmable button with individual label and status indicators
- Optional button protection covers
- Indicators for power, call and fault
- For single or dual systems (A and B systems)

Size (WxHxD): 178 x 346 x 101 mm Weight: 3,4 kg

Additional Information: IP-66
Ex class Ex mb ib e IIC T4 Gb
Optional button protection

1023533511

EMMAX-1H HANDHELD MICROPHONE WITH PTT FOR EX APPLICATIONS

- Handheld microphone for Ex applications
- Curled cord
- PTT key on handset
- Noise cancelling microphone
- HD voice compatible*
- Designed for EXIGO Ex access panels & Turbine Ex explosion-proof intercom stations

1023221516

EAPFX-6 EXIGO INDUSTRIAL EX ACCESS PANEL, 6 BUTTONS

- Network access panel for explosive atmospheres
- Ex mb ib e IIC T4 Gb
- DSP for acoustic signal processing
- IP networking and power over Flowire technology
- Six programmable buttons with individual labels and status indicators
- Optional button protection covers
- Indicators for power, call and fault
- For single or dual systems (A and B systems)

Size (WxHxD): 178 x 346 x 101 mm Weight: 3,4 kg

Additional Information: IP-66
Ex mb ib e IIC T4 Gb
Optional button protection

1023594100

EGA-1 EXIGO BUTTON PROTECTION COVERS, TRANSPARENT

- Button Protection Covers (10x), for TFIE/TFIX/ EAPII/EAPFX
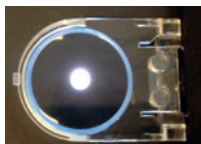
Size (WxHxD): 26,6 x 20,3 x 4,2 Weight: N/A

Additional Information: Set of 10x pcs.

**Size (WxHxD): 44 x 68 x 21,5 mm
Weight: 0.22 kg**

Additional Information: IP-66
Wallbracket included

EXIGO
FLOWIRE

The Flowire converter enables Ethernet to run on the same two wires as power, giving simpler cabling and opens up for longer cable hauls.

The Flowire converter is also capable of powering the Ethernet deviceattached to it. (FCDC1 only)

Note!

FCDC2 Flowire is needed for Ex Call & Alarm Panels

1008080110

FCDC1 FLOWIRE ETHERNET CONVERTER, DC VOLTAGE

- One single pair of cable can be used to distribute power and data
- The cable hauls can be longer, reducing the need for switches and/or repeaters
- Up to 10 Flowire devices can be connected to the same 2-wire cluster
- Existing infrastructure can be used, even though only a single pair is available. This reduces the total cost of retrofit projects
- The Flowire converter can be used with any Ethernet enabled device (not limited to VINGTOR-STENTOFON products)
- Power 24 Vdc - 48 Vdc
- **Important note! Several clusters can not share the same cable or junction boxes.**

Size (WxHxD): 120 x 65 x 13 mm Weight: 0.3 kg

Additional Information: Protection IP-20

1008080210

FCDC2 FLOWIRE ETHERNET CONVERTER 24VDC, NO POE

- One single pair of cable can be used to distribute power and data
- The cable hauls can be longer, reducing the need for switches and/or repeaters
- Up to 10 Flowire devices can be connected to the same 2-wire cluster
- Existing infrastructure can be used, even though only a single pair is available. This reduces the total cost of retrofit projects
- The Flowire FCDC2 converter is designed for use together with Explosion proof stations TFIX, EAPFX
- Power 24 Vdc
- **Important note! Several clusters can not share the same cable or junction boxes.**

Size (WxHxD): 120 x 65 x 13 mm Weight: 0.3 kg

Additional Information: Protection IP-20

POWER SUPPLY FLOWIRE

2990102124
PT576-48 POWERBOX PSU, 48V DC, 120W - FLOWIRE

2990102244
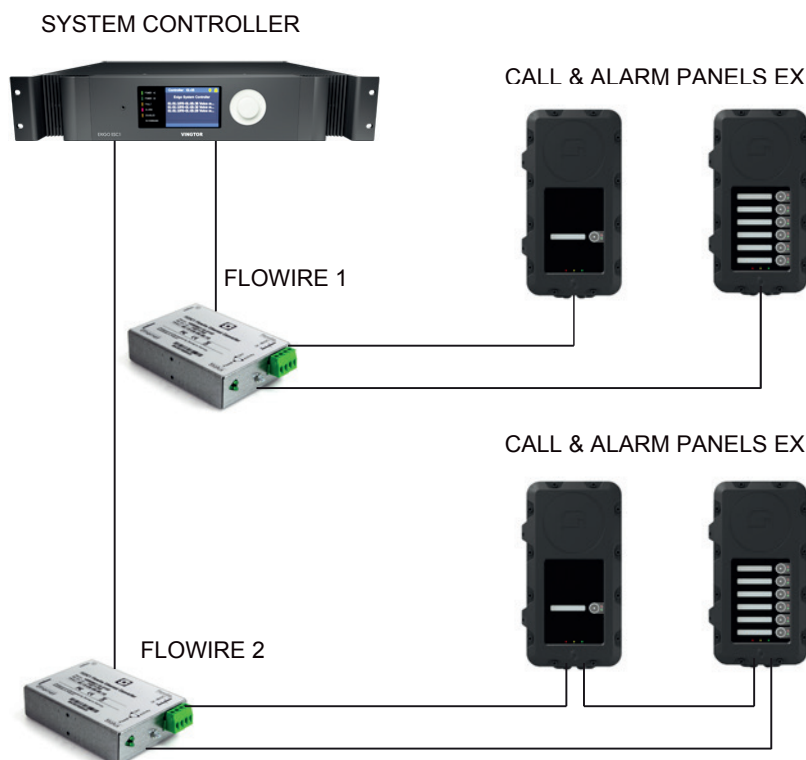**PT577-48 POWERBOX PSU, 48V DC, 250W - FLOWIRE**

POWER FOR FCDC2 / EX PANELS
2990102120
POWERBOX PSU, 24V DC, 120W

2990102240
POWERBOX PSU, 24V DC, 250W

Flowire Principle

SYSTEM CONTROLLER

CALL & ALARM PANELS EX

FLOWIRE 1

CALL & ALARM PANELS EX

FLOWIRE 2

EXIGO
MONITORING

ELTSI-1

The ELTSI-1 Line End Transponder is designed for use on ships and offshore environments. Hence, the construction is very robust and can handle mobile environments as well as stationary, temperature controlled rooms.

The line end transponder ensures reliable monitoring of the loudspeaker lines. Where impedance measurements may result in an erroneous report of a broken line, the line end transponder will always report the correct health of the loudspeaker loop.

Up to 10 line end transponders may be connected to the same amplifier, making it possible to branch out the loudspeaker loops

1023540000

ELTSI-1
EXIGO INDUSTRIAL LINE END TRANSPONDER, IP67

- Loudspeaker line end transponder
- Powered from and communicates over the loudspeaker lines
- Small and simple to install
- Rugged and weather proof housing
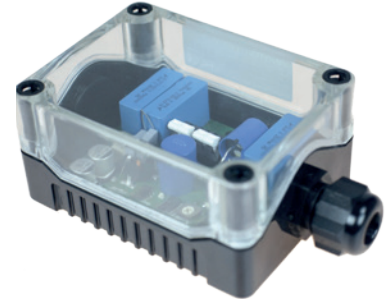
Size (WxHxD): 66 x 106 x 53 mm
Weight: 0,350 kg

Additional Information: IP-67

Line End Transponder Principle

AMPLIFIER

IP LOUDSPEAKERS

100/70V LOUDSPEAKERS

LINE END MONITORING

VINGTOR STENTOFON

www.zenitel.com