VINGTOR

VINGTOR

EXIGO

NATIVE IP PUBLIC ADDRESS & GENERAL ALARM SYSTEM

VINGTOR

VINGTOR 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®. The VINGTOR brand underpins our reputation as a supplier of the most flexible, reliable and advanced communication systems available today.

MEETING YOUR REGULATORY REQUIREMENTS

All VINGTOR 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 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.

NATIVE IP PUBLIC ADDRESS & GENERAL ALARM SYSTEM 4

CENTRAL EQUIPMENT 6

CALL & ALARM PANELS INDOOR 7

ACCESSORIES FOR PANELS INDOOR 9

ACCESS PANELS OUTDOOR 10

ACCESSORIES FOR EXIGO ACCESS PANELS OUTDOOR 10

ACCESS PANELS EX 12

ACCESSORIES FOR EXIGO ACCESS PANELS EX 12

FLOWIRE 14

POWERSUPPLY FLOWIRE 14

MONITORING 15

VINGTOR
EXIGO

NATIVE IP PUBLIC ADDRESS & GENERAL ALARM SYSTEM

The VINGTOR 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 VINGTOR Exigo system supports the VINGTOR integrated PA and GA solution. This solution is type approved for public address and general alarm. Together with the VINGTOR ACM, the VINGTOR 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 VINGTOR integrated PA, GA and intercom solution

SYSTEM MAINTENANCE
REMOTE MONITORING
INTEGRATED TO IT & SYSTEM MANAGEMENT

CALL & ALARM PANELS INDOOR

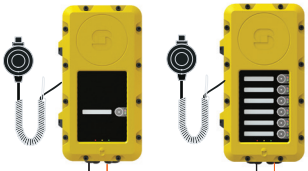
IP LOUDSPEAKERS

ETHERNET

100/70V LOUDSPEAKERS

LINE END MONITORING

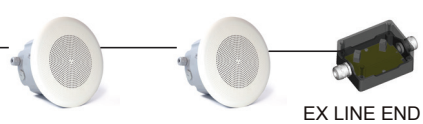
ACCESS PANELS OUTDOOR



ETHERNET

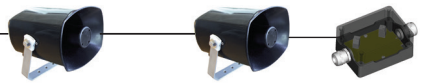
ACCESS PANELS EX

2 WIRE



100/70V EX LOUDSPEAKERS

EX LINE END MONITORING



SIGNAL BEACONS

ACM INTEGRATED SYSTEM

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, 2X200 WATT

- 2 audio channels in one 2U 19" housing
- 200 watt output powre 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

1023604008

ENSIR-8 EXIGO MANAGED NETWORK SWITCH, 8 PORTS POE, DIN MOUNTING

- 4 IEEE 802.3af-compliant PoE and Ethernet combo ports
- Provides up to 15.4 watts at 48 VDC per PoE port
- Intelligent power consumption detection, PD failure check, and PoE scheduling function
- 3 combo (10/100/1000BaseT(X) or 100/1000BaseSFP slot) Gigabit ports; 2 ports for redundant ring and 1 port for uplink
- Turbo Ring and Turbo Chain (recovery time < 20 ms @ 250 switches), RSTP/STP, and MSTP for network redundancy
- TACACS+, SNMPv3, IEEE 802.1X, HTTPS, and SSH to enhance network security
- Easy network management by web browser, CLI, Telnet/serial console, windows utility, and ABC-01

Size (WxHxD): 105 x 135 x 80.2 mm Weight: 1.170 kg

Additional Information: IP-30

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
- Optional button protection covers
- Indicators for power, call and fault
- Can be used with either handheld or gooseneck microphone
- For single or dual systems

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

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

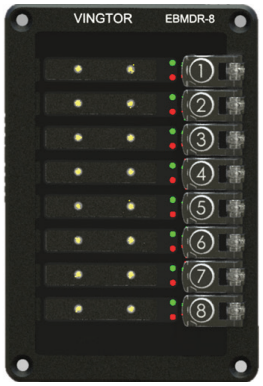
Size (WxHxD): 96 x 144 x 50 mm Weight: 0,5 kg

Additional Information: IP-32

1023253008

EBMDR-8 EXIGO BUTTON 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
- Can expand each access panel up to 40 buttons



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

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

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

Additional Information: For 1008031000 IP Flush master Require CRM license

ACCESSORIES FOR PANELS INDOOR

Microphones & mountingboxes for panels indoor

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
- High quality digital background noise reduction

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

Additional information: IP-Rating IP-56

3005020033

MB-30G GOOSENECK MICROPHONE

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

Lenght: 460mm Weight: 0,1kg

Additional information: IP-rating IP-22

1008097100

HANDSET FOR IP FLUSH MASTER

- Handset module for IP Flush Master

Size (WxHxD): 67 x 280 x 41 mm Weight: 0.4 kg

1008097500

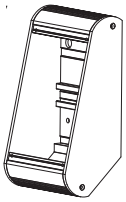
CRM-V GOOSENECK

- For CRM-V IP Flush Master

Size :N/A Weight: N/A

1023595010

EMBR-1 EXIGO DESKTOP MOUNTING BOX FOR ONE ACCESS PANEL

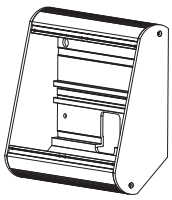


Size (WxHxD): 104 x 188 x 74 mm Weight: kg

Additional information:

1023595020

EXIGO DESKTOP MOUNTING BOX FOR TWO ACCESS PANELS



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

Additional information:

EXIGO ACCESS PANELS OUTDOOR

1023201201

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
Optional button protection

1023201206

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
Optional button protection

ACCESSORIES FOR EXIGO ACCESS PANELS OUTDOOR

1023533311

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

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

* When used with Turbine Industrial intercom stations

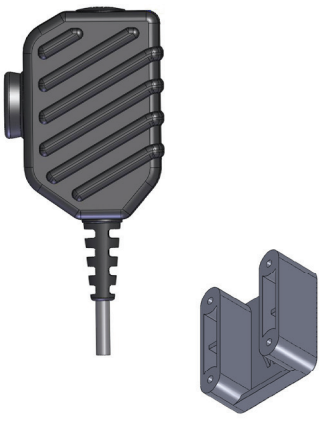
Size (WxHxD): 71 x 99 x 39 mm Weight: 0.8 kg

Additional Information: IP-66

1023533512

EMMAI-2H HANDHELD INDUSTRIAL MICROPHONE, COMPACT

- Handheld microphone for Industrial stations
- Curled cord
- PTT key on handset
- Noise cancelling microphone
- High quality digital background noise reduction*
- 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

1023594100

EXIGO BUTTON PROTECTION COVERS, TRANSPARENT

1008140220

TA-22 INDUSTRIAL HEADSET WITH PTT

- Rugged headset for Industrial application
- Noise-cancelling microphone
- High quality digital background noise reduction*
- HD-voice compatible*
- High quality audio
- Optional in-ear monitors may be connected for added damping in extreme environments
- Standard 4-pole Nexus connector for easy connection/replacement
- Designed for Turbine Industrial Intercoms

Weight: 0.4 kg

Additional Information: IP-66
1008140225 TA-22b 10m Cable and Plugbox with PTT for Industrial Headset

1008140225

TA-22B 10M CABLE AND PLUG-BOX WITH PTT FOR INDUSTRIAL HEADSET

- 10-meter cable
- Compact, rugged plugbox with PTT for Industrial application
- Designed for Turbine Industrial Intercoms

Weight: 0.4 kg

Additional Information: IP-66
For 1008140220 TA-22 Industrial Headset for Turbine - pluggable

1008140230

TA-23 INDUSTRIAL HANDSET + PTT

- Rugged handset for Industrial application
- PTT-key for simplex operation in extremely noisy environments
- Noise-cancelling microphone
- High quality digital background noise reduction*
- HD-voice compatible*
- Designed for Turbine Industrial Intercoms

- *when used with Turbine Industrial intercoms

Size (WxHxD): 50 x 200 x 70 mm Weight: 0.310 kg

Additional Information: IP-66

EXIGO ACCESS PANELS EX

1023221511

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

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)

ize (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

ACCESSORIES FOR EXIGO ACCESS PANELS EX

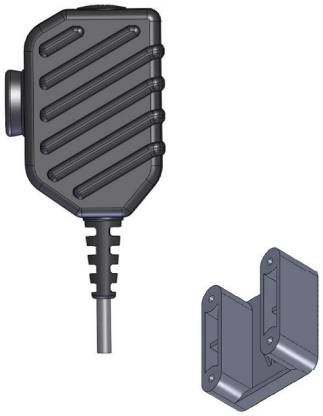
1023594100

EXIGO BUTTON PROTECTION COVERS, TRANSPARENT

1023533511

EMMAX-1H HANDHELD MICROPHONE WITH PTT FOR EX APPLICATIONS

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



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

Additional Information: IP-66
Wallbracket included

AK5850HS

A-KABEL TWINCOM HEADBAND HEADSETH ATEX

- Rugged headset for EX application
- Noise-cancelling microphone
- High quality digital background noise reduction*
- HD-voice compatible*
- High quality audio
- Optional in-ear monitors may be connected for added damping in extreme environments
- IP Rating: IP66
- Standard 4-pole Nexus connector for easy connection/replacement
- For use with 1008150025, “EX-approved Cable for headset with PTT”
- Designed for Turbine EX explosion-proof intercoms

- *when used with Turbine Industrial intercom stations

Weight: 0.4 kg

Additional Information: IP-66
1008150025 TAX-2b 10m Cable and Plugbox with PTT for AK5850HS

1008150025

TAX-2B EX-APPROVED CABLE FOR HEADSET WITH PTT

- 10m cable for EX-areas
- Compact, rugged plugbox with PTT for Industrial application
- For use with 1008150020, “EX-approved Headset, plugable”
- Designed for Exigo & Turbine EX explosion-proof intercoms

Weight: 0.4 kg

Additional Information: IP-66
For AKH580S Twincom headband headsaet ATEX

1008150030

TAX-3 EX-APPROVED HANDSET W/ PTT, UNTERMINATED

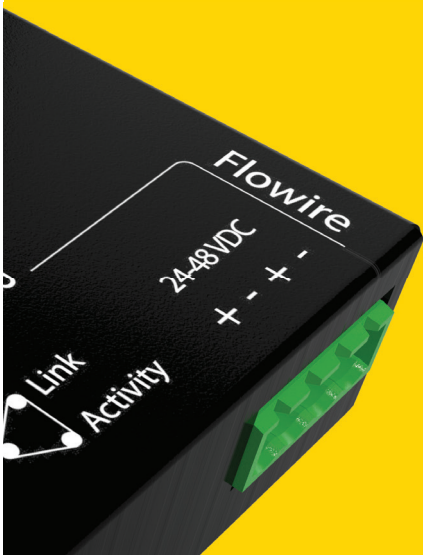
- Rugged handset for EX application
- PTT-key for simplex operation in extremely noisy environments
- Noise-cancelling microphone
- High quality digital background noise reduction*
- HD-voice compatible*
- Designed for Exigo & Turbine EX explosion-proof intercoms

*when used with Turbine Industrial Ex intercoms

Size (WxHxD): 50 x 200 x 70 mm Weight: 0.310 kg

Additional Information: IP-66
Wallbracket included

EXIGO
FLOWIRE



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 device attached to it.

Note!

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 products)
- Power 24 VDC
- Important note! Several clusters can not share same cable or junction boxes.

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

Additional Information: Protection IP-20

POWERSUPPLY FLOWIRE

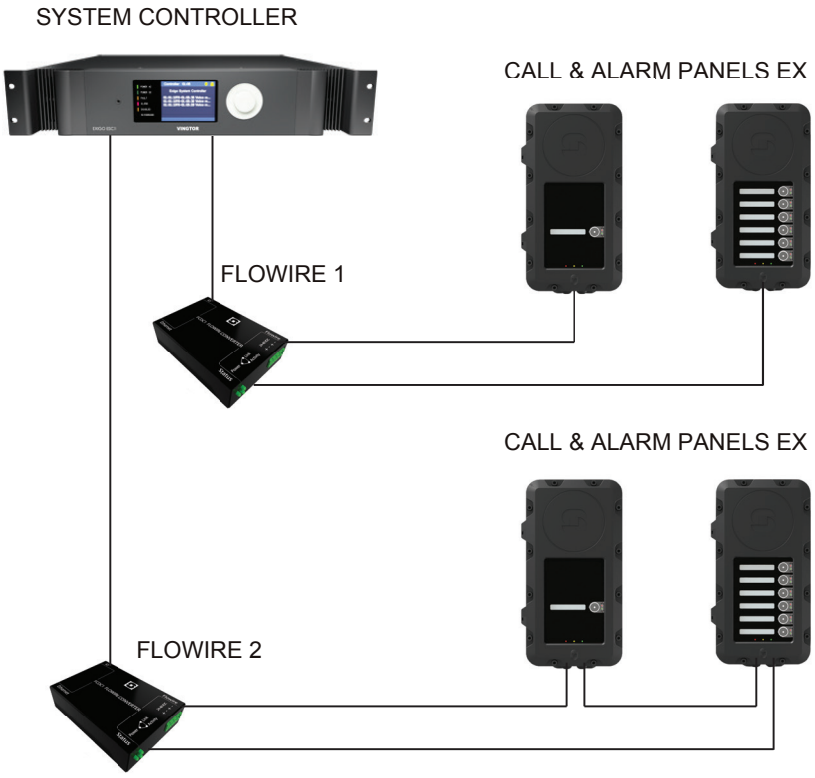
2990101120

FPDC-120 POWER SUPPLY FOR FLOWIRE, 48VDC, 120 WATT

2990101240

FPDC-240 POWER SUPPLY FOR FLOWIRE, 48VDC, 240 WATT

Flowire principle



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.

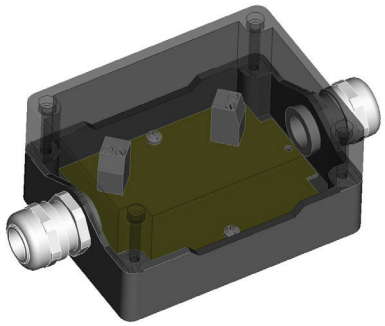
The line end transponder ensures reliable monitoring of the loudspeaker lines. Where impedance measurements may result in an erroneous report of a broken line, the line end transponder will always report the correct health of the loudspeaker loop.

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

1023540000

ELTSI-1
EXIGO INDUSTRIAL LINE END TRANSPONDER, IP67

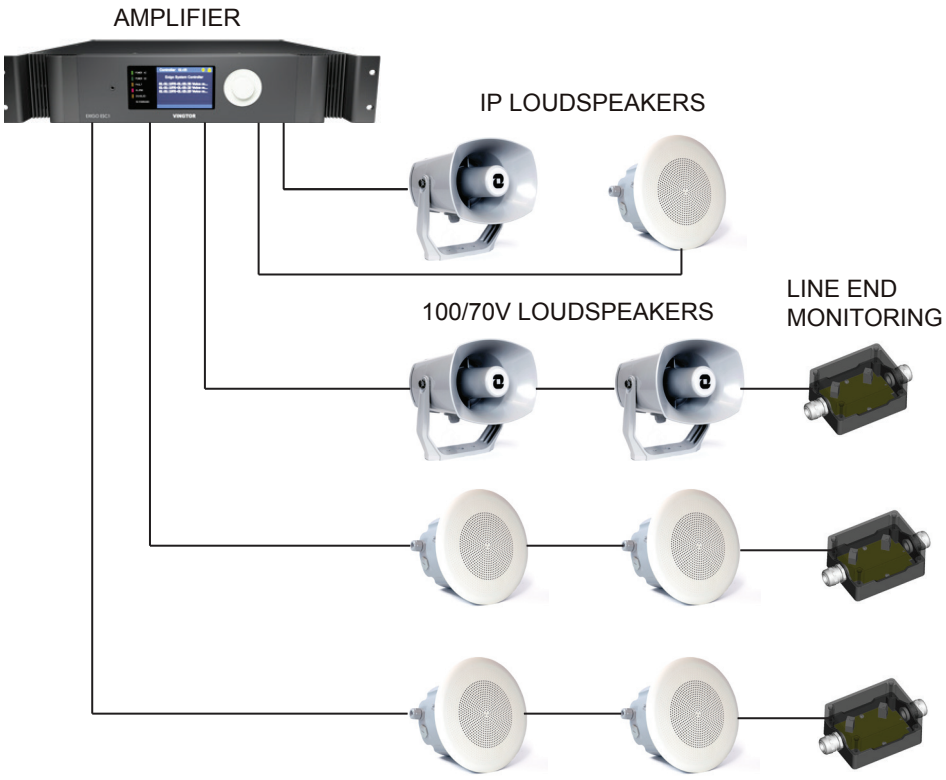
- Loudspeaker line end transponder
- Powered from and communicates over the loudspeaker lines
- Small and simple to install
- Rugged and weather proof housing



Size (WxHxD): 66 x 106 x 53 mm Weight: 0,350 kg

Additional Information: IP-67

Line end Transponder principle



www.vingtor.com

VINGTOR PRODUCT CATALOGS

BATTERYLESS TELEPHONE SYSTEMS A100K11295

TALK BACK & INTERCOM SYSTEM SYSTEMS A100K11296

SPA-V2 PUBLIC ADDRESS SYSTEM A100K11298

EXIGO IP PUBLIC ADDRESS & GENERAL ALARM SYSTEM A100K11384

ACM FAMILY & PULSE SYSTEMS A100K11297

LOCAL AREA NETWORK A100K11441

WIRELESS SOLUTIONS A100K11299

RADIO SOLUTIONS A100K11318

MASTER CLOCK, SOUND RECEPTION, HOSPITAL & REFRIGERATOR SYSTEMS A100K11300

ENTERTAINMENT SYSTEMS A100K11302

CCTV SYSTEMS A100K11303

COMMON EQUIPMENT A100K11301

DRILLERS INTERCOM SYSTEM A100K11464

CLEARCOM SYSTEM A100K11533

ASCOM IP DECT SYSTEM A100K11534

DOC NO

A100K11384 11.07.2014

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. STENTOFON and VINGTOR products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice. **ZENITEL PROPRIETARY.** This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend. Zenitel – All rights reserved.