VINGTOR STENTOFON

by ZENITEL GROUP

SPA-V2

PUBLIC ADDRESS & GENERAL ALARM SYSTEM

BECAUSE when communication is critical

VINGTOR STENTOFON

by ZENITEL GROUP

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

Zenitel 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 and regulations of all major classification societies.

FOR ALL YOUR SALES & AFTER SERVICE REQUIREMENTS
Zenitel 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.

| 1952 | 1964 | 1975 | 1996 | 2001 | 2009 |

2011   2012   2013   2015   2016   2017

SPA-V2 SYSTEM DESCRIPTION

The SPA-V2 system is specially designed to meet the demands for a cost-effective Public Address system for use onboard marine vessels.

The system is available in various versions and offers a set of standard and optional features that covers the requirements for a marine Public Address and General Alarm system for all types of vessels.

Each SPA rack supports power output from 120W up to 2800W. A system can consist of multiple racks to provide for the requisite capacity. The racks can be provided in the following sizes: 12 HU, 16 HU, 20 HU, and 24 HU.

The SPA system is an integrated type-approved PA and GA solution. SPA is extremely cost-effective, where SPA loudspeaker loops are used together with the integrated ACM units to cover areas where PA and GA are required onboard the vessel.
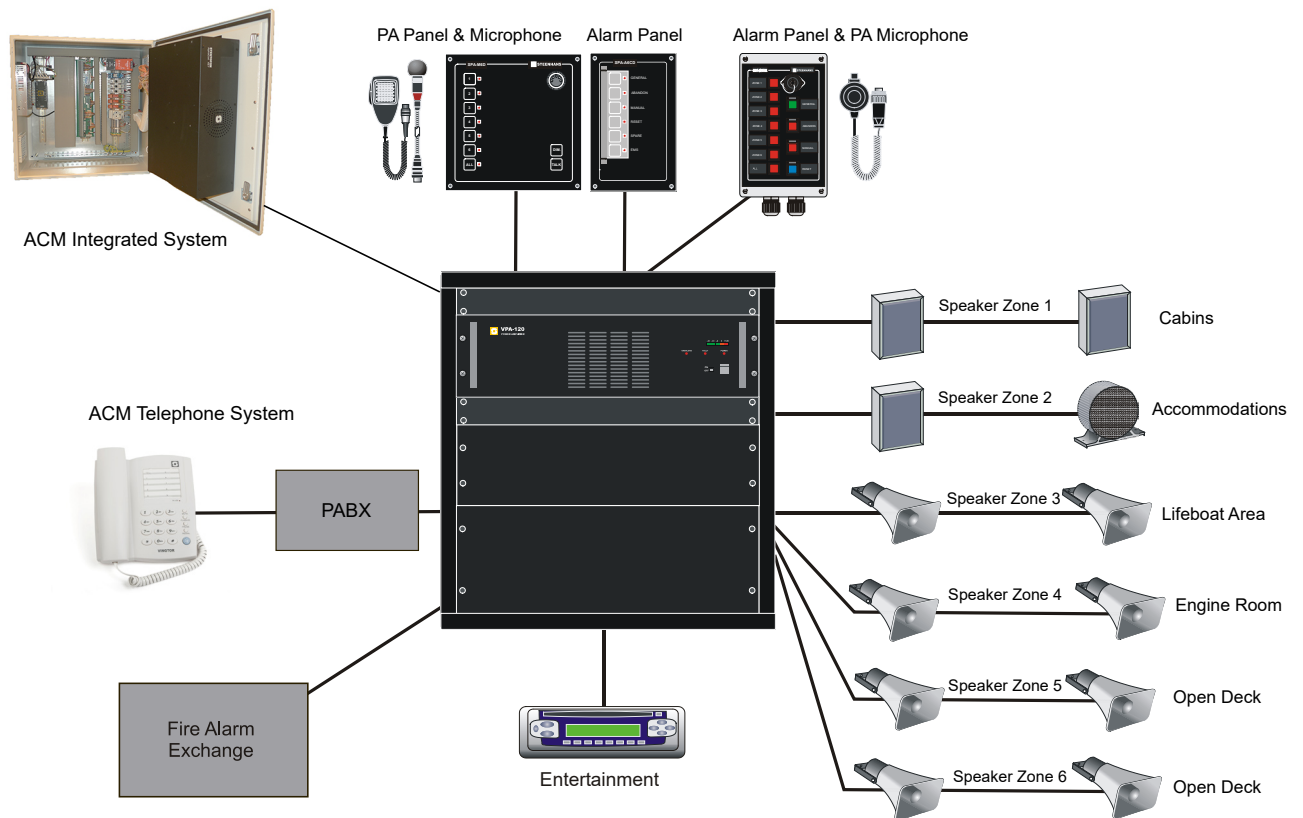
FEATURES

- Standalone PA and GA system made for the marine environment
- 19" rack with screw terminals for ship cable network
- Power Amplifiers, 100 V line with alternative power output of 120W, 240W or 400W
- Provides monitoring of power amplifiers
- 6 zones selection + ALL
- Can be integrated PA/GA solution in combination with Vingtor-Stentofon ACM system
- Input for 3 microphone panels
- AUX / Alarm input
- Input from Talk-Back system
- Input from PABX (preselected zones)
- Mains 110 - 230 VAC / 24 VDC withe auto switch-over
- Built-in pre-amplifiers
- Wide set of microphones and alarm panels

TYPE APPROVALS

SPA-V2 PA/GA SYSTEM

PA Panel & Microphone

Alarm Panel

Alarm Panel & PA Microphone

ACM Integrated System

ACM Telephone System

PABX

Fire Alarm Exchange

Entertainment

Speaker Zone 1 — Cabins

Speaker Zone 2 — Accommodations

Speaker Zone 3 — Lifeboat Area

Speaker Zone 4 — Engine Room

Speaker Zone 5 — Open Deck

Speaker Zone 6 — Open Deck

CENTRAL EQUIPMENT

SPA Standard 12HU Package 1

- Free space for 1x VPA-xxx-V2 Power Amplifier
- SPA-EE3-V2
- SPA-AL-REL-V2
- SPA-CHIME-V2
- SPA-UPS incl power failure
- Power 2 x 230VAC & 24VDC
- Mounting plate for other options

Size (WxHxD): 525 x 600 x 525 mm Weight: 28.0 kg

Additional Information: For 24VDC failure output
3005010176 SPA-REL-V2 must be used

2340130001

SPA Standard 16HU Package 2

- Free space for 2x VPA-xxx-V2 Power Amplifier
- SPA-EXPW
- SPA-EE3D-V2
- SPA-AL-REL-V2
- SPA-CHIME-V2
- SPA-MUL-V2
- SPA-UPS incl power failure
- Power 2 x 230VAC & 24VDC
- Mounting plate for other options

Size (WxHxD): 525 x 765 x 525 mm Weight: 35.0 kg

Additional Information: For 24VDC failure output
3005010176 SPA-REL-V2 must be used

3005010079

SPA-120-V2 PA Main Unit, 19" Rack, 120W VPA Amplifier

- Input & priorities for 3 microphone panels
- Input from talk-back system
- Input from entertainment system
- PABX Input with zone presets
- 6 zones, 100V, 120W signal output
- Input for 2 alarm panels
- 2x Fire alarm input, all call and zone selection (fire crew)
- Alarm mute during PA message

Size (WxHxD): 525 x 600 x 525 mm Weight: 42.0 kg

Additional Information: Base model 12HU
Feature cards to be specified, see internal accessories

3005010084

SPA-240-V2 PA Main Unit, 19" Rack, 240W VPA Amplifier

- Input & priorities for 3 microphone panels
- Input from talk-back system
- Input from entertainment system
- PABX Input with zone presets
- 6 zones, 100V, 240W signal output
- Input for 2 alarm panels
- 2x Fire alarm input, all call and zone selection (fire crew)
- Alarm mute during PA message

Size (WxHxD): 525 x 600 x 525 mm Weight: 45.0 kg

Additional Information: Base model 12HU
Feature cards to be specified, see internal accessories

3005010087

SPA-400-V2 PA Main Unit, 19" Rack, 400W VPA Amplifier

- Input & priorities for 3 microphone panels
- Input from talk-back system
- Input from entertainment system
- PABX Input with zone presets
- 6 zones, 100V, 400W signal output
- Input for 2 alarm panels
- 2x Fire alarm input, all call and zone selection (fire crew)
- Alarm mute during PA message

Size (WxHxD): 525 x 600 x 525 mm Weight: 48.0 kg

Additional Information: Base model 12HU
Feature cards to be specified, see internal accessories

VPA-120 Power Amplifier, 120W

- Power amplifier in a 19" rack cabinet
- 100 V and 8 ohm output
- Dual inputs with priority switching
- Temperature controlled, forced back-to-front ventilation
- 115/230 VAC mains and 24 VDC battery backup
- Power consumption at 0dB 24V DC 7,5 A
- Power consumption at 0dB 230V AC 1.7 A
- Pilot tone line monitoring
- 24 VDC / 800 mA power output for external equipment
- Chime signal with on/off switch

VPA-240 Power Amplifier, 240W

- Power amplifier in a 19" rack cabinet
- 100 V and 8 ohm output
- Dual inputs with priority switching
- Temperature controlled, forced back-to-front ventilation
- 115/230 VAC mains and 24 VDC battery backup
- Power consumption at 0dB 24V DC 15,4 A
- Power consumption at 0dB 230V AC 3.1 A
- Pilot tone line monitoring
- 24 VDC / 800 mA power output for external equipment
- Chime signal with on/off switch

VPA-400 Power Amplifier, 400W

- Power amplifier in a 19" rack cabinet
- 100 V and 8 ohm output
- Dual inputs with priority switching
- Temperature controlled, forced back-to-front ventilation
- 115/230 VAC mains and 24 VDC battery backup
- Power consumption at 0dB 24V DC 28,0 A
- Power consumption at 0dB 230V AC 5.4 A
- Pilot tone line monitoring
- 24 VDC / 800 mA power output for external equipment
- Chime signal with on/off switch

Size (WxHxD): 482 x 133 x 420 mm "3HU"
Weight: 18.2 kg

Additional Information: Requires 4HU in rack
Tested according to EN 60945, IACS E10, IEC 60533

Size (WxHxD): 482 x 133 x 420 mm "3HU"
Weight: 21.2 kg

Additional Information: Requires 4HU in rack
Tested according to EN 60945, IACS E10, IEC 60533

Size (WxHxD): 482 x 133 x 420 mm "3HU"
Weight: 24.2 kg

Additional Information: Requires 4HU in rack
Tested according to EN 60945, IACS E10, IEC 60533

SPA-SWITCH-V2 Monitor with 6X Volume Line Selector and 6X Program Switch 2HU

- 6 Line input selector
- Monitoring for six amplifiers
- Entertainment input for six sources .
- On/Off for entertainment
- Volume adjustment of line output signal with amplifier
- 24VDC supply
- All input/output terminals in back side
- 19" rack mounted 2 HU

SPA-SWITCH-V3 6x Program & Line Selector Switch

- 6 Line input selector
- Monitoring for six amplifiers
- Entertainment input for six sources .
- On/Off for entertainment
- Volume adjustment of line output signal with amplifier
- 24VDC supply
- All input/output terminals in back side
- 19" rack mounted 2 HU
- Entertainment input 2 and 3 have each built-in preamplifier with volume adjustment for the input signal

SPA-DARP-16 Digital Audio Recorder/Player

- 7 different messages
- Maximum memory capacity 960 seconds.
- Front panel with key access to operate the device
  manually
- LEDs for status indication and message selection
- Protected stop-button to cancel ongoing messages
- Microphone and aux line inputs for recording
- Rear panel with connectors for remote control/ switches.
- Potential-free switching for message indication.

Size (WxH): 483 x 89 mm
Weight: 0.65 kg

Additional Information: Optional entertainment sources, assembly included

Size (WxH): 483 x 89 mm   Weight: 0.65 kg

Additional Information: Optional entertainment source, assembly included

Size: 19" wide, 1HU high Weight: 2.8 kg

Additional Information: 2340110008 SPA-DARP-MIC Recording microphone Dynamic XLR-3pin. Remote panel for SPA-DARP-16 is SPA-REM7. Assembly included

SPA-RCD Radio/CD Player including Rack Expansion 2U

- FM with RDS / MW / CD / MP3
- Mono-mixed 0dB output
- Delivered with power supply 230V AC /12V DC

Size (WxH): 483 x 89 mm

Additional Information: Optional entertainment source, assembly included

3005010169

SPA-PABXR-V2 PABX RECALL VOICE REc MOd 1HU-RACK EXP INCL

- Recall voice recorder for PABX interface
- Using DTMF tone from PABX
- Up to 6 different zones or All can be given

Size: 19" wide, 1HU high

Additional Information: Assembly included

3005010188

SPA-TERM-V2 Terminal Board with 2.5-Meter Cable

- Optional Assembly-set consisting of main board on plate with cables.
- Plate with space for other modules
- Includes 2A power supply 230 VAC / 24 VDC

Size (WxH): 485 x 600 mm Weight: 3.0 kg

Additional Information: Base model 12HU
Feature cards to be specified, see internal accessories

3005010134

SPA-EXP Rack Expansion without Wiring in Step of 4HU

3005010135

SPA-EXPW Rack Expansion with Wiring for Additional Amplifiers - 1 Per Amplifier 4HU

2329990004

DN-500BD-MKII   Blu-Ray & DVD Player Rackmount 19" - 1HU

The Denon Professional DN-500BDMKII Blu-Ray disc and media player is a compact, high performance unit that handles all popular optical video and audio CD playback formats for unrivaled capability from a single disc playback device. For even more versatility, front-loading SD and USB ports deliver access to video, audio and picture files such as AVI, MOV, MP4, MP3, WAV, FLAC, GIF, JPEG, and PNG.
Power: 120 VAC, 60 Hz / 230 VAC, 50 Hz

Supported Disc Formats:
- Blu-ray Disc: BD25, BD50, BD-ROM, BD-R, BD-RE
- DVD: DVD, DVD+R, DVD-R, DVD+RW, DVD-RW
- CD: CD, CD-R, CD-RW, DTS Music Disc (DTS Audio CD, 5.1 Music Disc), HDCD, Super Video CD (SVCD), Video CD (VCD)
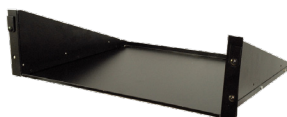
Size (WxHxD): 482 x 44 x 269 mm "1HU"   **Weight: 2.3 kg**

3005010180

SPA-SHELF Shelf for Additional Equipment

- 19" System

Size (WxHxD): 492 x 133 x 390 mm
Weight: 2.3 kg

Additional Information: Assembly included

3005010181

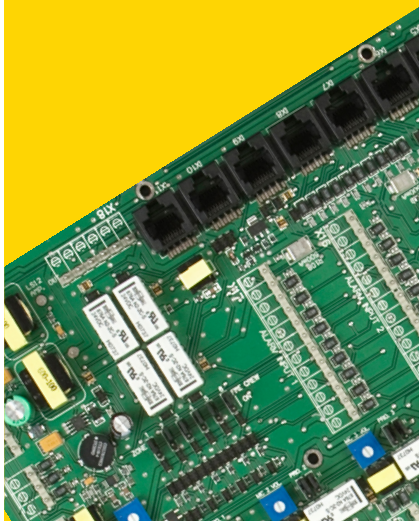## SPA-SHELF4 Shelf with Drawer for CU System

- 19" System

Size (WxHxD): 492 x 133 x 390
Weight: 7.2 kg

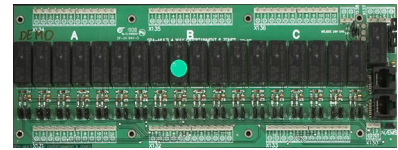Additional Information: Assembly included

INTERNAL ACCESSORIES

3005010166
SPA-MUL-V2 Zone Control Board with 4-Wire Entertainment, 6 Zones

- Board for zone distribution when more than one amplifier is used
- Internal or external 24V override
- Configuration settings by jumpers.
- Interconnections to main terminal board by RJ45 8pin plug
- Pluggable screw terminals for external connections.

Additional Information: Optional rack unit

3005010109
SPA-CHIME-V2 Chime Generator

- Will give a dual tone "Ding-dong" before PA message
- Interconnections to main terminal board by RJ45 8pin plug
- Plugable screw terminals for external connections

Additional Information: Optional rack unit

2990000041
PROMAX-120-24 Power Supply 100-240VAC/24VDC 5A

- Switch mode, reglutated power
- 22.5 to 29.5 V DC (adjustable via potentiometer on front)
- Overload protected
- Short-circuit protected
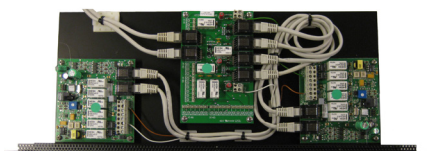- DIN rail mounting
- DNV-GL approved

Size (WxHxD): 40 x 130 x 125 mm Weight: 0.7 kg

3005010121
SPA-EE3D-V2 Alarm Generator Set for Dual System

- Consists of 2x SPA-EE3 and 1x SPA-EE3 DUAL
- A selector can set 15 different configuration of alarm tones.
- The module has three start inputs and three outputs for relay or lamps
- Interconnections to main terminal board by RJ45 8-pin plug
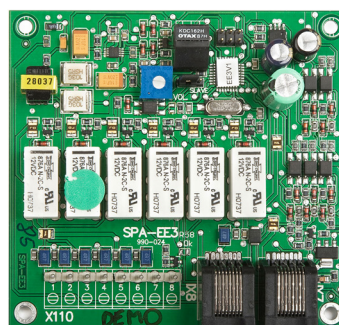- Mounted on 1HU 19" ventilation panel

Size: 19 " 1HU

Additional Information: Mounted on 1HU ventilation panel, assembly and customized programming included.

3005010124
SPA-EE3-V2 Single Alarm Generator with 3 Alarm Tones

- The module has a microprocessor that administers the alarm tones and sets up the inputs and outputs
- A selector can set all required configuration of alarm tones
- The module has three start inputs and three outputs for relay or lamps
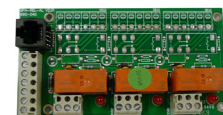- Interconnections to main terminal board by RJ45 8pin plug

Size: 19" 1HU   Weight: 0.5 kg

Additional Information: Mounted on 1HU ventilation panel, assembly included. 1190900101 SPA-EE3-V2/PROG Custom alarm tone programming for EE3-V2.

3005010102
SPA-AL-REL-V2 3x Potential-Free Relay Output

- GA-steady
- GA-pulsing
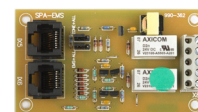- GA-pulsing with mute
- Contact set rated at 230 VAC or 24 VDC

Additional Information: Optional rack unit
SPA-AL-REL6-V2 O.no. 3005010101

3005010127
SPA-EMS-V2 Switching Board for Emergency PA Message

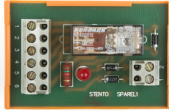- Used to combine All and Talk button to make emergency PA calls with single push

Additional Information: Optional rack unit

3005010176

SPA-REL-V2 Multipurpose Potential-Free Relay Contact

- Contact set rated at 230 VAC or 24 VDC
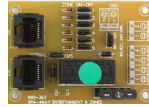- Rail mounting NS-35
- 2x contact set
- 24 VDC input coil

Additional Information: Optional rack unit

3005010130

SPA-ENT4-V2 4-Wire Entertainment 6 Zones

- Board for configuration to entertainment zones with 24V override
- Internal or external 24V override
- Configuration settings by jumpers
- Interconnections to main terminal board by RJ45 8pin plug
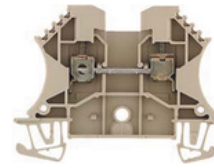- Pluggable screw terminals for external connections

Additional Information: Optional rack unit

1152101000

EXTRA-TERMINAL with Wiring - Weidmueller

- One unit needed for each termination point

Additional Information: Cable and assembly included

3005010132

SPA-ENTP2-V2 2x Independent Entertaintment System with 2x Program, Zone Selection
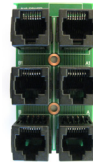
- For connection of 2 entertainment amplifiers
- 2 entertainment input
- On-Off for entertainment
- PA-zone selection by jumpers 1-6
- Priority output
- PA-input
- 2 PA-outputs

Additional Information: Optional rack unit

3005010068

RJ45-EXPANDER CAT-5 Cable Splitter for RJ45

- Expander for interconnection of 2 additional boards to a Terminal board
- See expander list:
- 2 x SPA-MUL3-V2 or 2 x SPA-MUL4-V or 2 x SPA-EMS-V or
- 2 x SPA-AL-REL-V2 or. 2 x SPA-VDR-V2

Size (WxH): 40 x 80 mm Weight: 0.05 kg

Additional Information: Optional rack unit

3005010045

MI-2 Multipurpose Microphone Preamplifier

- Preamplifier for microphone
- 24V DC
- Rail mounting NS-35

Size (WxH): 45 x 70 mm

Additional Information:
O.no. 3005010047 Preamplifier AUX/ENT. 24V DC

3005000038

SMIII-PA PA Telephone Interface

- Trunk line needed per PA line
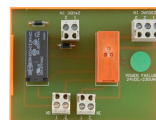- Trunk input / Audio output
- 24V DC Input
- Rail mounting NS-35

Size (WxH): 45 x 70 mm

Additional Information: For connection to telephone exchanges

3005010136

SPA-FAIL Power Failure Output Relay with Potential-Free Contact

- Contact set rated at 230V AC or 24V DC 6A
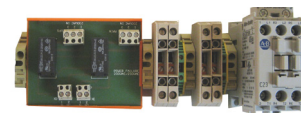- Rail mounting NS-35
- 230V AC & 24V DC input

Size (WxH): 45 x 70 mm Weight: 0.1kg

Additional Information:
O.no. 2340120001 115VAC/24DC
O.no. 2340120002 115VAC/115VAC

3005010189

SPA-UPS Auto Switch Between 230VAC Mains & Emergency/UPS

- 230V AC 2A, 50/60Hz
- Rail mounting NS-35

Additional Information: Optional rack unit
O.no. 2890010002 115VAC

3005010191

SPA-VDR-V2 Output for Voice Data Recorder

- 0dB and switch for all PA-or alarm activities
- Interconnections to main terminal board by RJ45 8pin plug
- Plugable screw terminals for external connections

Additional Information: Optional rack unit

2340120009

SPA-REL-V3 Multipurpose Potential-Free Relay Contact with Fused Outputs

- Contact set rated at 230 VAC, 2A
- Rail mounting NS-35
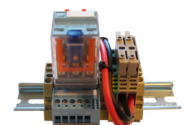- 2x contact set
- 24 VDC input coil

Additional Information: Optional rack unit

2340120010

SPA-REL-V4 Multipurpose Potential-Free Relay Contact with Fused Outputs

- Contact set rated at 115 - 230 VAC or 24 VDC
- Rail mounting NS-35
- 2x contact set
- 24V DC input coil

Additional Information: Optional rack unit

ACCESS PANELS

3005010150

SPA-M1-V2 PA Panel Single for All Call, Flush

- PA Panel for single system, all call
- Built-in pre-amplifier with preset signal level and tone controls
- Flush mounting, back box for wall mounting is available
- Local mute contact for external loudspeaker

Size (WxHxD): 144 x 144 x 82 mm   Weight: 0.5 kg

Additional Information: IP-44

2340110019

SPA-M1-D PA Panel Dual for All Call, Flush

- PA Panel for dual system , all call
- Built-in pre-amplifier with preset signal level and tone controls
- Flush mounting, back box for wall mounting is available
- Local mute contact for external loudspeaker

Size (WxHxD): 144 x 144 x 82 mm   Weight: 0.5 kg

Additional Information: IP-44

2340110021

SPA-M6-D PA Panel Dual with 6 Zones, All Call and Dimmer

- PA panel for dual system
- Built-in pre-amplifier with preset signal level and tone controls
- 6 zone selection buttons
- ALL, TALK and dimmer buttons.
- Replaceable text label for each zone button
- Zone buttons have activation confirmation light
- Flush mounting, back box for wall mounting is available
- Local mute contact for external loudspeaker

Size (WxHxD): 144 x 144 x 82 mm   Weight: 0.5 kg

Additional Information: IP-44

2340110020

SPA-M6-V2 PA Panel Single with 6 Zones, All Call and Dimmer

- PA panel for single system
- Built-in pre-amplifier with preset signal level and tone controls
- 6 zone selection buttons
- ALL, TALK and dimmer buttons.
- Replaceable text label for each zone button
- Zone buttons have activation confirmation light
- Flush mounting, back box for wall mounting is available
- Local mute contact for external loudspeaker

Size (WxHxD): 144 x 144 x 82 mm   Weight: 0.5 kg

Additional Information: IP-44

3005010095

SPA-AC6 Single Alarm Panel

- Alarm panel for single system
- Activating abandon, general or manual alarms
- Alarm reset button
- Replaceable text label for each button
- Separate Emergency button (EMS) for PA-message.
- Hinged transparent protecting cover all buttons
- To be used together with SPA-M6
- Flush mounting, back box for wall mounting is available
- Can start three alarms and emergency message in SPA-V2 PA/GA

Size (WxHxD): 96 x 144 x 82 mm   Weight: 0.4 kg

Additional Information: IP-44

3005010096

SPA-AC6-D Dual Alarm Panel

- Alarm panel for dual system
- Activating abandon, general or manual alarms
- Alarm reset button
- Replaceable text label for each button
- Separate Emergency button (EMS) for PA-message.
- Hinged transparent protecting cover all buttons
- To be used together with SPA-M6D
- Flush mounting, back box for wall mounting is available
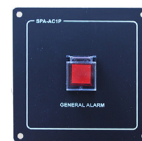- Can start three alarms and emergency message in SPA-V2 PA/GA

Size (WxHxD): 96 x 144 x 82 mm   Weight: 0.4 kg

Additional Information: IP-44

2340300002

SPA-AC1P General Alarm Button

- Push Button for Activating general alarms
- Button cover
- Flush mounting
- Back box for wall mounting is available

Size (WxHxD): 96 x 96 x 82 mm   Weight: 0.25 kg

Additional Information: 3005010105 SPA-BOXM1 wall mounting box

2340300001

SPA-AC1PW General Alarm Button

- Push Button for Activating general alarms
- Button cover
- Wall mounting
- Watertight

Size (WxHxD): 110 x 80 x 63 mm   Weight: 0.53kg

Additional Information: IP-66

3005010199

SPA-W1-V2 Weatherproof PA Panel for Outdoor Use

- Weatherproof PA panel for single system
- Built-in pre-amplifier with preset signal level and tone controls
- Microphone with PTT
- Contact for WP handheld microphone P-66 or P-66/10
- Wall mounting outdoors/indoors
- Local mute contact for external loudspeaker

Size (WxHxD): 140 x 230 x 125 mm   Weight: 0.5 kg

Additional Information: IP-66

3005010197

SPA-W1-D Weatherproof PA Panel for Outdoor Use

- Weatherproof PA panel for dual system
- Built-in pre-amplifier with preset signal level and tone controls
- Connector for WP handheld microphone P-66 or P-66/10
- Wall mounting outdoors/indoors
- Local mute contact for external loudspeaker

Size (WxHxD): 140 x 230 x 125 mm   Weight: 0.5 kg

Additional Information: IP-66

3005010196

SPA-W1AR-V2 Weatherproof PA and Alarm Panel for Outdoor Use

- Weatherproof PA and Alarm Panel for single system
- General or manual alarms
- Built-in pre-amplifier with preset signal level and tone controls.
- Buttons with hinged transparent protecting cover
- Connector for WP handheld microphone P-66 or P-66/10
- Replaceable text label for each button
- Wall mounting outdoors/indoors
- Local mute contact for external loudspeaker

Size (WxHxD): 140 x 230 x 125 mm   Weight: 0.5 kg

Additional Information: IP-66

3005010195

SPA-W1AR-D Dual Weatherproof PA & Alarm Panel

- Weatherproof PA and Alarm Panel for Dual system
- General or manual alarms
- Built-in pre-amplifier with preset signal level and tone controls.
- Buttons with hinged transparent protecting cover
- Connector for WP handheld microphone P-66 or P-66/10
- Replaceable text label for each button
- Wall mounting outdoors/indoors
- Local mute contact for external loudspeaker

Size (WxHxD): 140 x 230 x 125 mm Weight: 0.5 kg

Additional Information: IP-66

3005010202

SPA-W6A4 Weatherproof PA & Alarm Panel, 6 Zones

- Weatherprooof PA and Alarm panel for single system
- Abandon, general or manual alarms
- Contact for WP handheld microphone P-66 or P-66/10
- Built-in pre-amplifier with preset signal level and tone controls.
- 6 zone selection buttons
- Alarm buttons with hinged transparent protecting cover for protection against unauthorized use
- Microphone with PTT
- Connector for WP handheld microphone P-66 or P-66/10
- Replaceable text label for each button.
- Wall mounting, outdoor or indoor
- Local mute contact for external loudspeaker

Size (WxHxD): 140 x 230 x 125 mm Weight: 0.7 kg

Additional Information: IP-66

3005010203

SPA-W6A4-D Dual Weatherproof PA & Alarm Panel, 6 Zones

- Weatherprooof PA and Alarm panel for single system
- Abandon, general and manual alarms
- Contact for WP handheld microphone P-66 or P-66/10
- Built-in pre-amplifier with preset signal level and tone controls.
- 6 zone selection buttons
- Alarm buttons with hinged transparent protecting cover for protection against unauthorized use
- Microphone with PTT
- Connector for WP handheld microphone P-66 or P-66/10
- Replaceable text label for each button.
- Wall mounting, outdoor or indoor
- Local mute contact for external loudspeaker

Size (WxHxD): 140 x 230 x 125 mm Weight: 0.7 kg

Additional Information: IP-66

3005010172

SPA-PROG4-RDF Entertainment Program Selector, Dual Failsafe

- Selector for 4x 100V entertainment programs
- PA input 100V from dual A-B system
- PA override 24VDC input failsafe from dual A-B system and for single system by DIP switch
- 2 common outputs 100V for dual A-B system

Size (WxHxD): 144 x 144 x 82 mm Weight: 0.4 kg

Additional Information: IP-22

3005010024

ENT-4F Bedside Type Panel

- Entertainment panel
- Input for 4 program sources 100V
- Program selector and volume control
- Input for emergency line 100V
- Input for 24VDC failsafe override

Size (WxHxD): 252 x 100 x 59 mm Weight: 0.475 kg

Additional Information: IP-22

3005010204

SPA-WIRELESS/D Dual ACT-52B Wireless Receiver w/ 2 ACT-52H Wireless Hand Microphone

- 2x Antennas
- External 100-240V AC Switching Power Supply
- Rack mounting kit ,optional

Size receiver (WxHxD): 210 x 44 x 206 mm Weight: 0.9 kg Microphone 0.2 kg

3005010205

SPA-WIRELESS-MIC ACT-51B 1-Channel Receiver with ACT-52H Hand Microphone

- 2x Antennas
- Power supply External AC Adapter, 12~15V DC, 1A
- Rack mounting kit, optional

Size receiver (WxHxD): 210 x 44 x 206 mm Weight: 0.7 kg Microphone 0.2 kg

2340110029

SPA-ANT Dual External Antenna AT-70W Set for SPA-WIRELESS

- Antenna set for SPA-WIRELESS/D and SPA-WIRELESS-MIC

Size (WxHxD): 120 x 261 x 32 mm Weight: 0.2 kg

3005020039

P-66 Waterproof Hand Microphone

- Weatherproof, salt water resistant handheld microphone
- Suitable for heavy-duty outdoor operation subject to noise disturbance
- Delivered with 2 meter flexible cable and plug
- For use in Public Address System and Talk-Back

Size (WxHxD): 54 x 82 x 55mm   Weight: 0.3 kg

Additional Information: IP-54

3005020040

P-66/10 Waterproof Hand Microphone with 10-m Cable

- Weatherproof, salt water resistant handheld microphone
- Suitable for heavy-duty outdoor operation subject to noise disturban
- Delivered with 10-meter cable and plug
- For use in Public Address System and Talk-Back

Size (WxHxD): 54 x 82 x 55mm   Weight: 0.3 kg

Additional Information: IP-54

3005020029

ETC-1-TB Hand Microphone with 5-Pin DIN Plug

- Dynamic, 200 ohm
- Flexible cord with PTT switch
- Hang up clip
- For ETB and CTB central panels

Size (WxHxD): 58 x 102 x 47mm   Weight: 0.2 kg

Additional Information: IP-22

3005020028

ETC-1-CH Chassis Contact 5-Pin DIN for ETC-1-TB with 1-m Cable

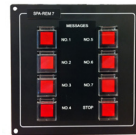- Prepared with screw terminals for connections

Size PCB (WxHxD) : 50 x 35 x 16mm   Weight: 0.1 kg

3005010177

SPA-REM7 Remote Panel with 7 Start & 1 Stop Button

- Message play panel
- Seven start buttons for play message
- One message stop button
- For DARP-16

Size (WxHxD): 144 x 144 x 57 mm   Weight: 0.4 kg

Additional Information: IP-22, Unit for SPA-DARP-16

3005020033

MB-30G Gooseneck Microphone
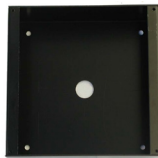
- Electret Microphone, 2K ohm
- 5-pin DIN plug

Length: 460 mm   Weight: 0.1 kg

Additional information: IP-rating IP-32

3005010206

STBOKS5 Wall-Mount Back Box for STB-5, STB-5GN

Size (WxHxD): 144 x 144 x 59 mm   Weight: 0.22 kg

3005010003

ACBOKS Wall-Mount Back Box for SPA-AC6, SPA-AC6-D

- For SPA-AC6 & SPA-AC6-D alarm panels
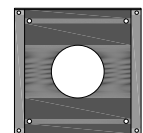- Designed for indoor use

Size (WxHxD): 96 x 144 x 58 mm Weight: 0.2 kg

Additional Information: Cable inlet 2x PG-16

3005010155

SPA-M6BOKS Wall-Mount Box

- Wall-mount back box for SPA-M1 & SPA-M6 PA Panels and VM-15RD & VM-50RD Volume Controls
- For SPA Public Address & General Alarm system
- Designed for indoor use

Size (WxHxD): 144 x 144 x 58 mm   Weight: 0.3 kg

VOLUME CONTROLLERS

2131000401 / 2131000403
VCOR-15 Volume Controller, 24VDC Override, 15W, White

- 15W Volume Controller
- 24VDC override relay
- Fail-safe relay option available
- 2131000401: VCOR-15
- 2131000403: VCOR-15F

Size (WxHxD): 87 x 87 x 67.5 mm Weight: 0.2 kg

2131000402 / 2131000404
VCOR-60 Volume Controller, 24VDC Override, 60W, White

- 60W Volume Controller
- 24VDC override relay
- Fail-safe override relay option available
- 2131000402: VCOR-60
- 2131000404: VCOR-60F

Size (WxHxD): 87 x 87 x 67.5 mm Weight: 0.2 kg

3005010212
VM15-RDF Dual Volume Control 4-Wire Failsafe Override, 2x 15W

- Dual volume control, 4 wire override 2x 15W
- For use in SPA-V2 Public Address & General Alarm system
- For flush mounting
- Optional, wall mounting by using back box

Size (WxHxD): 144 x 144 x 82 mm Weight: 0.7 kg

Additional Information: Backbox STBOKS5

3005010211
VM15-RD Dual Volume Control 4-Wire Override, 2x 15W

- Dual volume control, 4 wire override 2x 15W
- For use in SPA-V2 Public Address & General Alarm system
- For flush mounting
- Optional, wall mounting by using back box

Size (WxHxD): 144 x 144 x 82 mm Weight: 0.7 kg

Additional Information: Backbox STBOKS5

3005010214
VM50-RD Dual Volume Control 4-Wire Override, 2x 50W

- Dual volume control, 4 wire override 2x 50W
- For use in SPA-V2 Public Address & General Alarm system
- For flush mounting
- Optional, wall mounting by using back box

Size (WxHxD): 144 x 144 x 82 mm Weight: 0.7 kg

Additional Information: Backbox STBOKS5

3005010215
VM50-RDF Dual Volume Control 4-Wire Failsafe Override, 2x 50W

- Dual volume control, 4 wire override 2x 50W
- For use in SPA-V2 Public Address & General Alarm system
- For flush mounting
- Optional, wall mounting by using back box

Size (WxHxD): 144 x 144 x 82 mm Weight: 0.7 kg

Additional Information: Backbox STBOKS5

2131000411
VCOR-OBOX On-Wall Back Box for VCOR-XX

- Back Box for VCOR-15, VCOR-15F, VCOR-60, VCOR-60F

Size (WxHxD): 83 x 83 x 50 mm Weight: 0.07 kg

3005010105
SPA-BOXM1 Wall-Mount Back Box for VM5, VM15, VM50R

Size (WxHxD): 96 x 96 x 78 mm

MANUALS & SPARES

A100K10369
SPA-V2 System Manual

A100K10370
SPA-V2 Configuration & Installation Manual

A100K10371
SPA-V2 User Guide

A100K10875
VPA-120/240/400 Configuration & Installation Manual

3005010182
SPAS-V2 Standard Set of Spares

www.zenitel.com