SPA-V2
PUBLIC ADDRESS & GENERAL ALARM SYSTEM

when communication is critical
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.
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**SPA SYSTEM DESCRIPTION**

- **SPA MAIN UNITS**
- **SPA ACCESSORIES**
- **SPA INTERNAL ACCESSORIES**
- **SPA ANNOUNCEMENT & ALARM PANELS**
The SPA-V2 system is specially designed to meet the demands for a cost-effective Public Address system for use on board ships.

The system is available in various versions and offers a set of standard and optional features which 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 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 ship.

**FEATURES**

- Standalone PA and GA system made for the marine environment
- 19" rack w/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 V AC/24 V DC w/auto switch-over
- Built-in pre-amplifiers
- Wide set of microphones and alarm panels

**APPROVALS**

The SPA system is tested according to EN60945, and is type approved by DNV, RMRS, CCS, RRR, CRS, GL, Lloyds, ABS, and BV.
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- Input from PABX (preselected zones)
- Mains 110 - 230 V AC/24 V DC w/auto switch-over
- Built-in pre-amplifiers
- Wide set of microphones and alarm panels

**VINGTOR-STENTOFON SPA-V2 PRODUCT CATALOG**

**ACM-Integrated System**

**ACM-Telephone System**

**Telephones**

**Fire Alarm Exchange**

**PABX**

**SPA-A6CD**

**SPA-M6D**

**LS zone 1**
- Cabins

**LS zone 2**
- Accommodation

**LS zone 3**
- Life boat area

**LS zone 4**
- Engine area

**LS zone 5**
- Open deck

**LS zone 6**
- Open deck
SPA MAIN UNITS

- Steel cabinet, black
- Input for 3 microphone panels
- Input from Talk-back system
- PABX Input with zone presets.
- 6 zones relay output 100 V for speakers
- Prepared for 2 alarm panels and alarm module
- Alarm mute relay during PA message
- Powered by 230 VAC main and 24V DC Emergency, 230V AC main / 230V AC from UPS
- 115 VAC on request
- 2A Power included 230 VAC / 24 VDC
- Dimensions: 19" 12HU-24HU
- Protection class IP-22

### SPA STANDARD 12HU PACKAGE 1

- Free space for 1 x VPA-xxx-V2 Poweramplifier
- 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

### SPA STANDARD 16HU PACKAGE 2

- Free space for 2 x VPA-xxx-V2 Poweramplifier
- 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

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**SPA-120-V2 "PA MAIN UNIT,19" RACK 1X120W VPA AMPLIFIER**

- Size (WxHxD): 525 x 600 x 525 mm  Weight: 28.0 kg
- Additional Information: For 24VDC failure output 3005010117 SPA-REL-V2 must be used

**SPA-240-V2 "PA MAIN UNIT,19" RACK 1X240W VPA AMPLIFIER**

- Size (WxHxD): 525 x 600 x 525 mm  Weight: 45.0 kg
- Additional Information: For 24VDC failure output 3005010117 SPA-REL-V2 must be used

### SPA-TERM-V2 TERMINAL BOARD SPA W/2.5M 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

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**SPA-EXP RACK EXPANSION WITHOUT WIRING IN STEP OF 4HU**

**SPA-EXPW RACK EXPANSION WITH WIRING FOR ADDITIONAL AMPLIFIERS - 1 PER AMP 4HU**
### SPA ACCESSORIES

**SPA-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

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

**SPA-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: 24.2 kg
Additional Information: Requires 4HU in rack
Tested according to EN 60945, IACS E10, IEC 60533

**SPA-SWITCH-V2 MONITOR W/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
- 24VDC supply
- All input/output terminals in back side
- 19” rack mounted 2 HU

### SPA STANDARD 12HU PACKAGE 1
- Free space for 1 x VPA-xxx-V2 Poweramplifier
- SPA-AL-REL-V2
- SPA-UPS incl power failure
- Mounting plate for other options

### SPA STANDARD 16HU PACKAGE 2
- Includes 2A power supply 230 VAC / 24 VDC
- Plate with space for other modules
- Optional Assembly-set consisting of main
- Mounting plate for other options
- Power 2 x 230VAC & 24VDC

### SPA SHELF SHELF FOR ADDITIONAL EQUIPMENT
- 19” System

Size (WxHxD): 492 x 133 x 390 mm
Weight: 2.3 kg
Additional Information: Assembly included

### SPA SHELF4 SHELF W/DRAWER F/CU-SYSTEM INCL. RACK EXPANSION 3HU
- 19” System

Size (WxHxD): 492 x 133 x 390 mm
Weight: 7.2 kg
Additional Information: Assembly included

### SPA-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

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
SPA-SWITCH-V3 6X PROG & LINE - SELECTOR SWITCH
VOLUME CONTROL IN FRONT
- 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-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

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

SPA-DARP-16 DIGITAL AUDIO RECORDER/PLAYER IN 19" 1U, 24V DC, FOR 7 MESSAGES, 960 SEC TOT.
- 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.

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

DVD-191U DVD PLAYER RACKMOUNT 19" - 1HU
- Extensive Bi-Directional RS-232 Control
- Power on play
- Screen saver Function
- Format Adjustment for 4:3 and 16:9
- Slow motion and Frame by Frame playback
- Optical Digital Audio Outputs
- Plays DVD Video, DVD Audio (2 channel only) VCD, SVCD/DVD+R/+RW, and Audio CD
- Plays MP3, WMA, WAV, JPEG, ASF, MPEG2/MPEG1, DivX
- Defeatable On-Screen Guide Icons
- Composite, Component, and S-Video Outputs
- HDMI (High Definition Multimedia Interface)
- IR Remote Control Included
- Selectable Scan Mode
- DVD Audio Bonus Group Playback (Bonus group password required. Refer to disc for password.)
- Tray Lock (prohibits unwanted disc ejection)
- True Progressive Scan
- FVPP (Fine Video Picture Processing)
- Plays NTSC and PAL discs (region codes apply)

Size (WxHxD): 482 x 44 x 269 mm  "1HU"
Weight: 2.3 kg
Additional Information: Power 120 VAC, 60 Hz / 230 VAC, 50 Hz

Size (WxH): 483 x 89 mm  Weight: 0.65 kg
Additional Information: Optional entertainment source, assembly included

Size: 19" wide, 1HU high
Additional Information: 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 INTERNAL ACCESSORIES**

### SPA-MUL-V2 SPA 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

### SPA-CHIME-V2 CHIME GENERATOR

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

Additional Information: Optional rack unit

### SPA-EE3D-V2 ALARM SET FOR DUAL SYSTEM

- Consist of 2x SPA-EE3 and 1x SPA-EE3 Dual-Al
- 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 8-pin plug

Size: 19” 1HU
Additional Information: Mounted on 1HU ventilation panel, Assembly and customized programming included

### SPA-EES-V2 SINGLE ALARM GEN. W/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 8-pin 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

### SPA-AL-REL-V2 3 X POT. FREE RELAY OUTPUT AS FOLLOWS

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

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

### SPA-EMS-V2 SWITCHING BOARD FOR EMERGENCY PA MESSAGE

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

Size: 19” 1HU
Additional Information: Optional rack unit

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info@tttbv.com | www.tttbv.com  

**VINGTOR-STENTOFON SPA-V2 PRODUCT CATALOG**
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>3005010176</td>
<td><strong>SPA-REL-V2 MULTIPURPOSE POTENTIAL FREE RELAY CONTACT FUNCTION TO BE SPECIFIED</strong></td>
<td>Contact set rated at 230 VAC or 24 VDC</td>
</tr>
<tr>
<td></td>
<td>• Rail mounting NS-35</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• 2x contact set</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• 24 VDC input coil</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Additional Information:</strong> Optional rack unit</td>
<td></td>
</tr>
<tr>
<td>3005010130</td>
<td><strong>SPA-ENT4-V2 SPA 4 WIRE ENTERTAINMENT 6 ZONES</strong></td>
<td>Board for configuration to entertainment zones with 24V override</td>
</tr>
<tr>
<td></td>
<td>• Internal or external 24V override</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Configuration settings by jumpers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Interconnections to main terminal board by RJ45 8pin plug</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Pluggable screw terminals for external connections</td>
<td></td>
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<td></td>
<td><strong>Additional Information:</strong> Optional rack unit</td>
<td></td>
</tr>
<tr>
<td>1152101000</td>
<td><strong>EXTRA TERMINAL WITH WIRING - WEIDMUELLER</strong></td>
<td>One unit needed for each termination point</td>
</tr>
<tr>
<td></td>
<td><strong>Additional Information:</strong> Cable and assembly included</td>
<td></td>
</tr>
<tr>
<td>3005010132</td>
<td><strong>SPA-ENTP2-V2 2X INDEPENDENT ENTER SYSTEM W/ 2X PROG, ZONE SELECTION, OVERRIDE</strong></td>
<td>For connection of 2 entertainment amplifiers</td>
</tr>
<tr>
<td></td>
<td>• 2 entertainment input</td>
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<tr>
<td></td>
<td>• On-Off for entertainment</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• PA-zone selection by jumpers 1-6</td>
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<tr>
<td></td>
<td>• Priority output</td>
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<tr>
<td></td>
<td>• PA-input</td>
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<tr>
<td></td>
<td>• 2 PA-outputs</td>
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<td></td>
<td><strong>Additional Information:</strong> Optional rack unit</td>
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<tr>
<td>3005000038</td>
<td><strong>SMIII-PA PA TELEPHONE INTERFACE (TRUNK LINE NEEDED PER PA-LINE)</strong></td>
<td>Trunk input / Audio output</td>
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<tr>
<td></td>
<td>• 24V DC Input</td>
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<td></td>
<td>• Rail mounting NS-35</td>
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<tr>
<td></td>
<td><strong>Size (WxH): 45 x 70 mm</strong></td>
<td><strong>Weight: 0.05 kg</strong></td>
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<td><strong>Additional Information:</strong> Optional rack unit</td>
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<tr>
<td>3005010136</td>
<td><strong>SPA-FAIL POWER FAILURE OUTPUT RELAY WITH POTENTIAL FREE CONTACT</strong></td>
<td>Contact set rated at 230V AC or 24V DC 6A</td>
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<tr>
<td></td>
<td>• Rail mounting NS-35</td>
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<tr>
<td></td>
<td>• 230V AC &amp; 24V DC input</td>
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<td></td>
<td><strong>Size (WxH): 45 x 70 mm</strong></td>
<td><strong>Weight: 0.1kg</strong></td>
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<td><strong>Additional Information:</strong> Optional rack unit</td>
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<tr>
<td>3005010189</td>
<td><strong>SPA-UPS AUTO SWITCH BETWEEN 230AC MAIN &amp; EMERG./UPS INCL. POWER FAILURE</strong></td>
<td>230V AC 2A, 50/60Hz</td>
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<td>• Rail mounting NS-35</td>
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<td></td>
<td><strong>Size (WxH): 45 x 70 mm</strong></td>
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<td><strong>Additional Information:</strong> Optional rack unit</td>
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<tr>
<td>2340120010</td>
<td><strong>SPA-REL-V3 MULTIPURPOSE POTENTIAL FREE RELAY CONTACT WITH FUSED OUTPUTS</strong></td>
<td>Contact set 230V AC, 2A</td>
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<td>• 2x contact set</td>
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<td></td>
<td>• 24 VDC input coil</td>
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<td></td>
<td><strong>Additional Information:</strong> Optional rack unit</td>
<td></td>
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<tr>
<td>2340120009</td>
<td><strong>SPA-REL-V4 MULTIPURPOSE POTENTIAL FREE RELAY W/ FUSED OUTPUTS, 230VAC</strong></td>
<td>Contact set rated at 115 - 230 VAC or 24 VDC</td>
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<td>• Rail mounting NS-35</td>
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<td>• 24 VDC input coil</td>
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</tbody>
</table>
SPA ANNOUNCEMENT & ALARM PANELS

3005010146
SPA-M1H-V2 PA PANEL SINGLE FOR ALL CALL - FLUSH - W/ HANDHELD MIC ETC-1-TB
- PA Panel for single system, all call
- Delivered with handheld microphone
- Built-in pre-amplifier with preset signal level and tone controls
- TALK button on panel and handheld microphone
- 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

3005010148
SPA-M1S-D PA PANEL DUAL FOR ALL CALL - FLUSH - W/ GOOSENECK MIC MB-30G
- PA Panel for dual system, all call
- Delivered with handheld microphone
- Built-in pre-amplifier with preset signal level and tone controls
- TALK button for All call message
- 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

30050101449
SPA-M1S-V2 PA PANEL SINGLE FOR ALL CALL - FLUSH - W/ GOOSENECK MIC MB-30G
- PA Panel for single system, all call
- Delivered with gooseneck microphone
- Built-in pre-amplifier with preset signal level and tone controls
- TALK button on panel for All Call message
- 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

3005010145
SPA-M1H-D PA PANEL DUAL FOR ALL CALL - FLUSH - W/ HANDHELD MIC ETC-1-TB
- PA Panel for dual system, all call
- Delivered with handheld microphone
- Built-in pre-amplifier with preset signal level and tone controls
- TALK button on panel and handheld microphone
- 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

3005010147
SPA-M1S-V2 PA PANEL SINGLE FOR ALL CALL - FLUSH - W/ GOOSENECK MIC MB-30G
- PA Panel for single system, all call
- Delivered with gooseneck microphone
- Built-in pre-amplifier with preset signal level and tone controls
- TALK button on panel for All Call message
- 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

3005010158
SPA-M6H-V2 PA PANEL SINGLE W/6 ZONES, ALL CALL AND DIMMER - FLUSH - W/HANDHELD MIC ETC-1-TB
- 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
O.no. 2340110001  SPA-M6HM-V2 version with zone memory

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VINGTOR-STENTOFON SPA-V2 PRODUCT CATALOG
### SPA-M6S-V2 PA PANEL SINGLE W/6 ZONES, ALL CALL AND DIMMER FLUSH W/GOOSENECK MIC MB-30G
- 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

Additional Information: IP-44

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

O.no. 2340110002  SPA-M6SM-V2 version with zone memory

### SPA-M6H-D PA PANEL DUAL W/6 ZONES, ALL CALL AND DIMMER FLUSH W/HANDHELD MIC ETC-1-TB
- PA-panel for dual system
- Delivered with handheld microphone
- 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

Additional Information: IP-44

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

O.no.2340110004  SPA-M6SDM-V2 version with zone memory

### SPA-M6S-D PA PANEL DUAL W/6 ZONES, ALL CALL AND DIMMER FLUSH W/GOOSENECK MIC MB-30G
- PA-panel for dual system
- Delivered with gooseneck microphone
- 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

Additional Information: IP-44

Size (WxHxD): 144 x 144 x 82 mm  Weight: 0.6 kg

O.no. 2340300002  SPA-AC1P general alarm button with cover, flush / wall mount-PULS

- Activating general alarms
- Flush mounting, back box for wall mounting is available

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

O.no.3005010105  SPA-BOXM1 wall mounting box

### SPA-AC6 SINGLE ALARM PANEL WITH COVERED AND ILL. ALARM START AND RESET BUTTON FOR INDOOR USE
- 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

Additional Information: IP-44

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

### SPA-AC6-D DUAL ALARM PANEL W. COVERED AND ILL. ALARM START AND RESET BUTTON FOR INDOOR USE
- 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

Additional Information: IP-44

Size (WxHxD): 144 x 144 x 82 mm  Weight: 0.6 kg

O.no.2340300001  SPA-AC1PW gen. alarm button w/cover, flush/wall mount watertight-PULS

- Activating general alarms

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

Additional Information: IP-66
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

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

SPA-W1AR-D DUAL 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 protective 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

SPA-W6A4 WEATHERPROOF PA AND ALARM PANEL W/6 ZONES FOR OUTDOOR USE

- Weatherproof 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 protective 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

SPA-W6A4-D DUAL WEATHERPROOF PA-ND ALARM PANEL W/6 ZONES FOR OUTDOOR USE

- Weatherproof 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 protective 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
**P-66 HAND MICROPHONE WITH PLUG, WT**
- 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

**ETC-1-TB HANDMIC W/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

**ETC-1-CH CHASSIS CONTACT 5-PIN DIN FOR ETC-1-TB W/1M CABLE**
- Prepared with screw terminals for connections

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

**SPA-REM7 REMOTE PANEL W/ 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

**SPA-WIRELESS-MIC ACT-51 1CH RECEIVER W/ACT-5H HANDMIC**
- 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

**SPA-ANT/ D DUAL EXTERNAL ANTENNA SET FOR SPA-WIRELESS/D**
- Antenna set for SPA-WIREL
- With cable and plug

Size (HxD): 165 x 150mm  Weight: 0.142kg
Additional Information:
VM15-R VOLUME CONTROL - 4 WIRE OVERRIDE, FLUSH 15W
- Volume control, 4 wire override 15W
- For use in SPA-V2 Public address and general alarm system
- For flush mounting
- Optional, wall mounting with back box

Size (WxHxD): 96 x 96 x 80 mm  Weight: 0.4 kg
Additional Information: Backbox SPA-BOXM1

VM50-R VOLUME CONTROL - 4 WIRE OVERRIDE, FLUSH 50W
- Volume control, 4 wire override 15W
- For use in SPA-V2 Public address and general alarm system
- For flush mounting
- Optional, wall mounting with back box

Size (WxHxD): 96 x 96 x 80 mm  Weight: 0.4 kg
Additional Information: Backbox SPA-BOXM1

VM50-RDF VOLUME CONTR. 2X50W DUAL W/ OVERRIDE RELAY FAIL SAFE - FLUSH
- Dual volume control, 4 wire override 2x 50W
- For use in SPA-V2 Public address and general alarm system
- For flush mounting
- Optional, wall mounting using back box

Size (WxHxD): 144 x 144 x 82 mm  Weight: 0.7 kg
Additional Information: Backbox STBOKS5

VM15-RDF VOLUME CONTR. 2X15W DUAL W/ OVERRIDE RELAY FAIL SAFE - FLUSH
- Dual volume control, 4 wire override 2x 15W
- For use in SPA-V2 Public address and general alarm system
- For flush mounting
- Optional, wall mounting using back box

Size (WxHxD): 144 x 144 x 82 mm  Weight: 0.7 kg
Additional Information: Backbox STBOKS5

STBOKS5 WALL MOUNTING BOX FOR VM15 AND 50RD

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

SPA-BOXM1 WALL MOUNTING BOX FOR VM5, 15 AND 50R

Size (WxHxD): 96 x 96 x 78 mm

ACBOKS FOR SPA-AC6 PANELS WHEN WALL MOUNTED
- 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

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

Wall mounting box for SPA-M1 & SPA-M6 PA-panels.
- For SPA public address and general alarm systems.
- Designed for indoor use

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

SPA-M6BOKS FOR SPA-M1 AND M6 PANELS WHEN WALL MOUNTED

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