



# VINGTOR

## SPA-V2 PUBLIC ADDRESS SYSTEM



**VINGTOR**

VINGTOR is world renowned for its extensive knowledge in the design, construction, installation and maintenance of integrated marine communication systems. The company, with long-term experience serving the maritime industry, has an impressive portfolio and provides cutting edge solutions to vessels worldwide under the internationally renowned brand name of VINGTOR®. The VINGTOR brand underpin Zenitel Marine's reputation as a supplier of the most flexible, reliable and advanced communication systems available today.

#### MEETING YOUR REGULATORY REQUIREMENTS

All Zenitel Marine products are tested according to IEC 60945, IEC 60533 standards, and comply with SOLAS regulations and codes relevant for on-board communication systems.

Zenitel Marine delivers systems in accordance with the rules of all major classification societies.

#### FOR ALL YOUR SALES & AFTER SERVICE REQUIREMENTS

Zenitel Marine 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.

<b>SPA SYSTEM DESCRIPTION</b>	<b>4</b>
SPA MAIN UNITS	6
SPA ACCESSORIES	7
SPA INTERNAL ACCESSORIES	9
SPA ANNOUNCEMENT & ALARM PANELS	11



# PUBLIC ADDRESS SYSTEM

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.

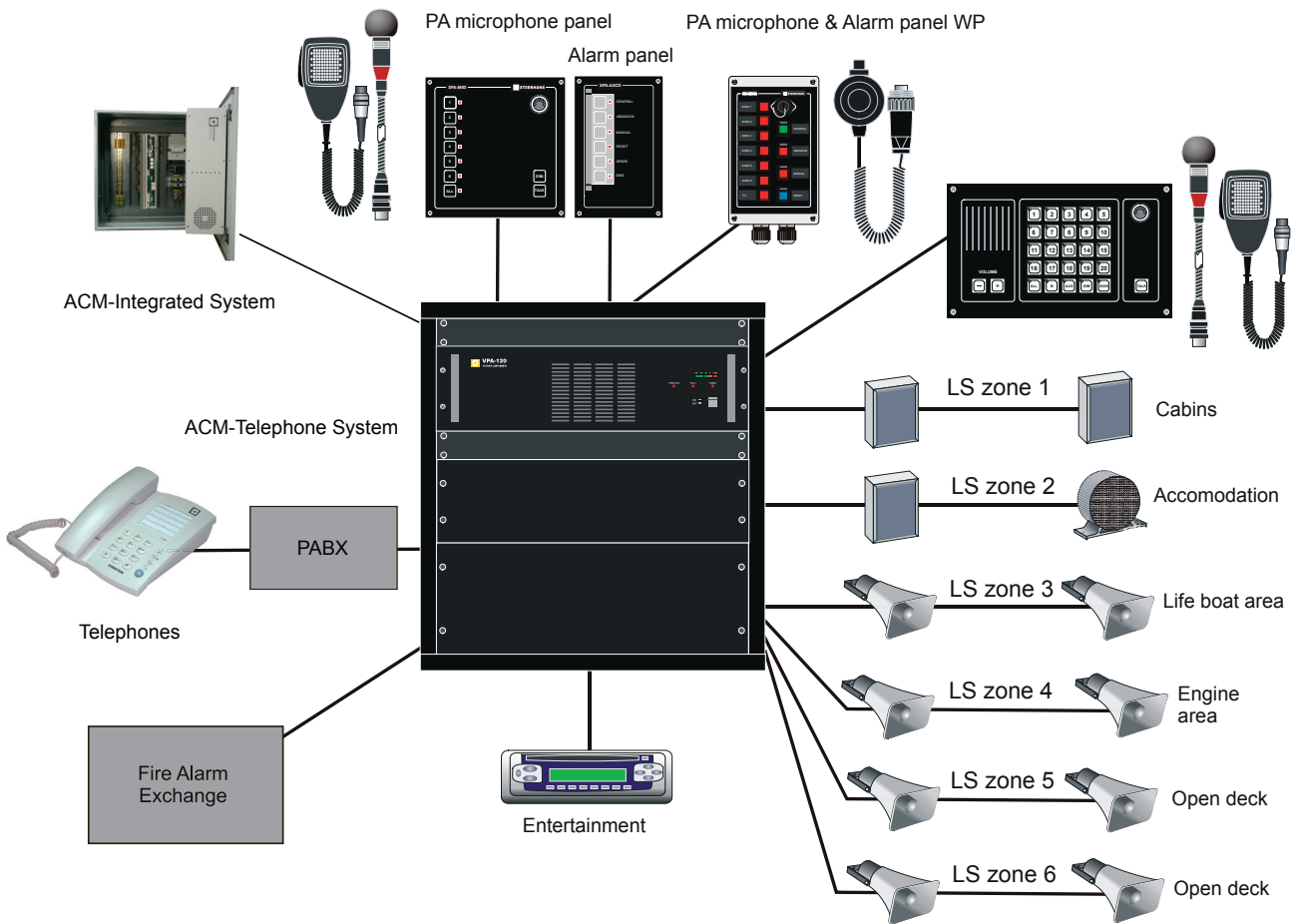
## FEATURES

- 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
- VINGTOR integrated PA/GA solution in combination with VINGTOR ACM XE
- Input for 3 microphone panels
- AUX / Alarm input
- Input from Talk-Back system
- Input from PABX (preselected zones)
- Mains 230 V AC/24 V DC w/auto switch-over  
**Note! 110V AC on request**
- 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, GL and BV





# 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

2340130000

## 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



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 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



Size (WxHxD): 525 x 600 x 765 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 1X120W VPA AMPLIFIER



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

3005010188

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



Size (WxH): 480 x 400 mm Weight: 3.0 kg

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

3005010084

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

3005010134

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

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## SPA-400-V2 "PA MAIN UNIT,19" RACK 1X400W VPA AMPLIFIER

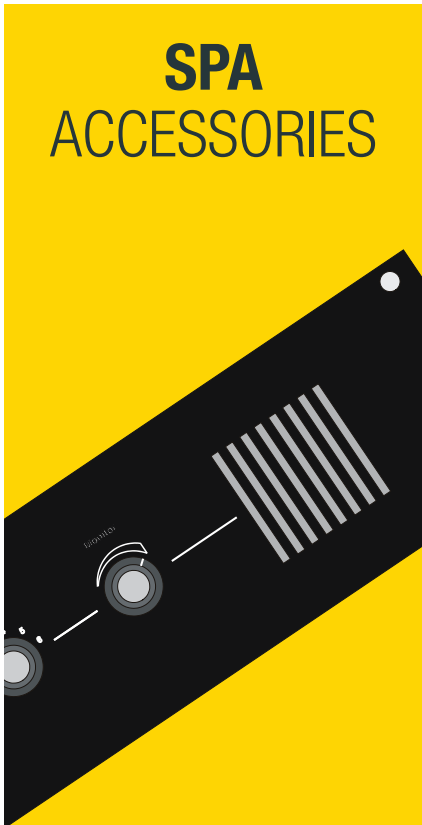
Size (WxHxD): 525 x 600 x 525 mm Weight: 48.0 kg

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

3005010135

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

# SPA ACCESSORIES



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 W/DRAWER F/ CU-SYSTEM INCL. RACK EXPANSION 3HU

- 19" System



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

Additional Information: Assembly included

3005010235

## 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



**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

3005010237

## 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



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

Additional Information:  
Tested according to EN 60945, IACS E10, IEC 60533

3005010239

## 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: 24.2 kg**

Additional Information:  
Tested according to EN 60945, IACS E10, IEC 60533

3005010184

## 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
- Volume adjustment of line output signal with amplifier
- 24VDC supply
- All input/output terminals in back side
- 19" rack mounted 2 HU



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

Additional Information: Optional entertainment sources,  
assembly included

3005010185

### 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



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

Additional Information: Optional entertainment source, assembly included

3005010173

### 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



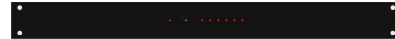
**Size (WxH): 483 x 89 mm**

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

3005010111

### 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.

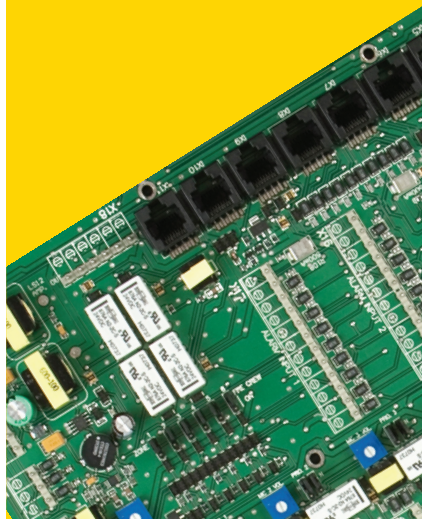


**Size: 19" wide, 1HU high Weight: 2.8 kg**

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



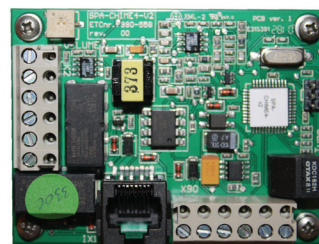
# SPA INTERNAL ACCESSORIES



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## 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

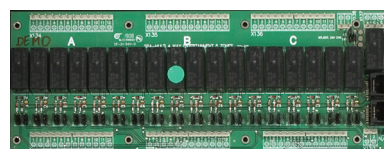


Additional Information: Optional rack unit

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## 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

3005010013

## DRA-120-24FSA POWER SUPPLY 230 VAC/24 VDC, 5A

- DIN Mounted additional power supply for rack equipment
- Over-load and short-circuit protected
- Suitable for 115/230AC



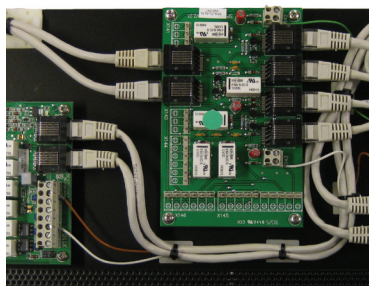
Size (WxHxD): 63,5 x 124 x 127 mm  
Weight: 0.860 kg

Additional Information: IP-20 Optional rack unit for CU-Talk back unit and volume controls

3005010121

## 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



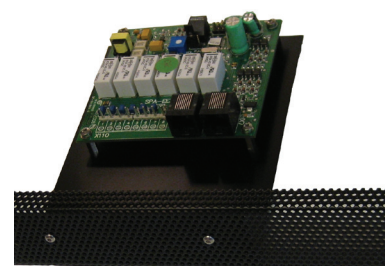
Size 19 " 1HU

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

3005010124

## SPA-EE3-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 8pin plug



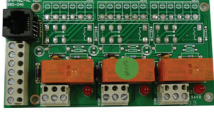
Size 19 " 1HU

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

3005010102

### 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

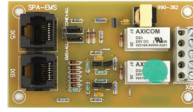


Additional Information: Optional rack unit  
SPA-AL-REL6-V2 O.no. 3005010101

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

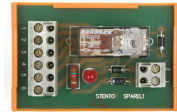


Additional Information: Optional rack unit

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### SPA-REL-V2 MULTIPURPOSE POTENTIAL FREE RELAY CONTACT FUNCTION TO BE SPECIFIED

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

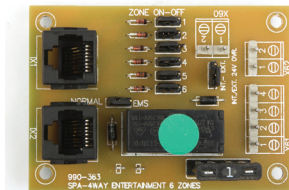


Additional Information: Optional rack unit

3005010130

### SPA-ENT4-V2 SPA 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

3005010132

### SPA-ENTP2-V2 2X INDEPENDENT ENTER SYSTEM W/2 X PROG, ZONE SELECTION, OVERRIDE

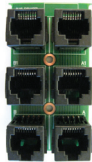
- For connection of 2 entertainment amplifiers
- 2 entertainment input
- On-Off for entertainment
- PA-zone selection by jumpers 1-6
- Priority output
- PA-input
- 2 PA-outputs

Additional Information: Optional rack unit

3005010068

### 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 PREAMPLIFIER MIC. 24V DC W/RELAY, REV. 1

- For microphone
- 24V DC
- Rail mounting NS-35



Size (WxH): 45 x 70 mm

Additional Information: Optional rack unit

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### SMIII-PA PA TELEPHONE INTERFACE (TRUNK LINE NEEDED PER PA-LINE)

- Trunk input / Audio output
- 24V DC Input
- Rail mounting NS-35



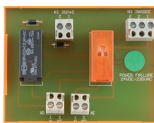
Size (WxH): 45 x 70 mm

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



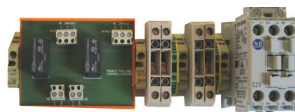
Size (WxH): 45 x 70 mm

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

3005010189

### SPA-UPS AUTO SWITCH BETWEEN 230AC MAIN & EMERG./UPS INCL. POWER FAILURE

- 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
- Pluggable screw terminals for external connections



Additional Information: Optional rack unit

# 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

3005010149

## 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

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

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

3005010161

### 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



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

Additional Information: IP-44  
O.no. 2340110002 SPA-M6SM-V2 version with zone memory

3005010095

### 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



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

Additional Information: IP-44

3005010157

### 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



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

Additional Information: IP-44  
O.no.2340110003 SPA-M6HDM-V2 version with zone memory

3005010096

### 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



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

Additional Information: IP-44

3005010160

### 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



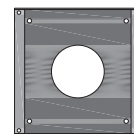
Size (WxHxD):144 x 144 x 82 mm mm Weight: 0.6 kg

Additional Information: IP-44  
O.no. 2340110004 SPA-M6SDM-V2 version with zone memory

3005010155

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

- 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

3005010003

### 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

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 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

3005010202

### 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 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- 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 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

3005020039

### 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-66

3005020040

### P-66/10 HAND MICROPHONE WITH PLUG AND 10 M CABLE, WT

- Weatherproof, salt water resistant handheld microphone
- Suitable for heavy-duty outdoor operation subject to noise disturbance
- 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-66

3005020029

### 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

3005020028

### ETC-1-CH CHASSIS CONTACT 5-PIN DIN FOR ETC-1-TB W/1M CABLE

- Prepared with screw terminals for connections

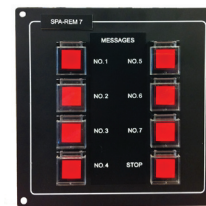


Size PCB (WxHxD) : 50 x 35 x 16mm Weight: 0.1 kg

3005010177

### SPA-REM7 REMOTE PANEL W/ 7 START & 1 STOP BUTTON

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



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

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

3005010172

### SPA-PROG4-RDF ENTERTAINMENT PROGR SELECTOR DUAL FAILSAFE, 4 PROG. INPUTS PA A&B WITH OVERRIDE

- Selector for 4 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 W/ VOL. CONTROL AND PROGRAM SELECTOR, FAILSAFE

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



Size (WxH): 260 x 100 mm Weight: 0.475 kg

Additional Information: IP-22

3005010204

### SPA-WIRELESS/D DUAL ACT-52 WIRELESS RECEIVER WITH 2 X ACT-5H WIRELESS HAND MIC

- 2x Antennas
- Switching power supply 90-264 V AC 12 - 15 V DC 0,5A
- Rack mounting kit



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

3005010103

### SPA-ANT/ D DUAL EXTERNAL ANTENNA SET FOR SPA-WIRELESS/D

- Antenna set for SPA-WIRELESS/D
- With cable and plug

3005010210

### 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

3005010213

### 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

3005010105

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



Size (WxHxD): 96 x 96 x 58 mm

3005010215

### 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 by using back box



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

Additional Information: Backbox STBOKS5

3005010212

### 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 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, FLUSH 2X15W

- 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 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, FLUSH 2X50W

- 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 by using back box

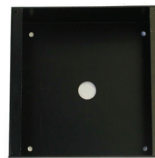


Size (WxHxD): 144 x 144 x 82 mm Weight: 0.7 kg

Additional Information: Backbox STBOKS5

3005010206

### STBOKS5 WALL MOUNTING BOX FOR VM15 AND 50RD



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

## MANUALS & SPARES

A100K10369

SPA-V2 System Manual

3005010182

SPAS-V2 Standard set of Spares

A100K10370

SPA-V2 Configuration & Installation Manual

A100K10371

SPA-V2 User Guide

A100K10875

VPA-120/240/400 Configuration & Installation Manual

## **VINGTOR PRODUCT CATALOGS**

<b>BATTERYLESS TELEPHONE SYSTEMS</b> .....	<b>A100K11295</b>
<b>TALK BACK &amp; INTERCOM SYSTEM SYSTEMS</b> .....	<b>A100K11296</b>
<b>SPA -V2 PUBLIC ADDRESS SYSTEM</b> .....	<b>A100K11298</b>
<b>ACM FAMILY &amp; PULSE SYSTEMS</b> .....	<b>A100K11297</b>
<b>WIRELESS SOLUTIONS</b> .....	<b>A100K11299</b>
<b>RADIO SOLUTIONS</b> .....	<b>A100K11318</b>
<b>MASTER CLOCK, SOUND RECEPTION, HOSPITAL &amp; REFRIGERATOR SYSTEMS</b> .....	<b>A100K11300</b>
<b>ENTERTAINMENT SYSTEMS</b> .....	<b>A100K11302</b>
<b>CCTV SYSTEMS</b> .....	<b>A100K11303</b>
<b>COMMON EQUIPMENT</b> .....	<b>A100K11301</b>