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.

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.
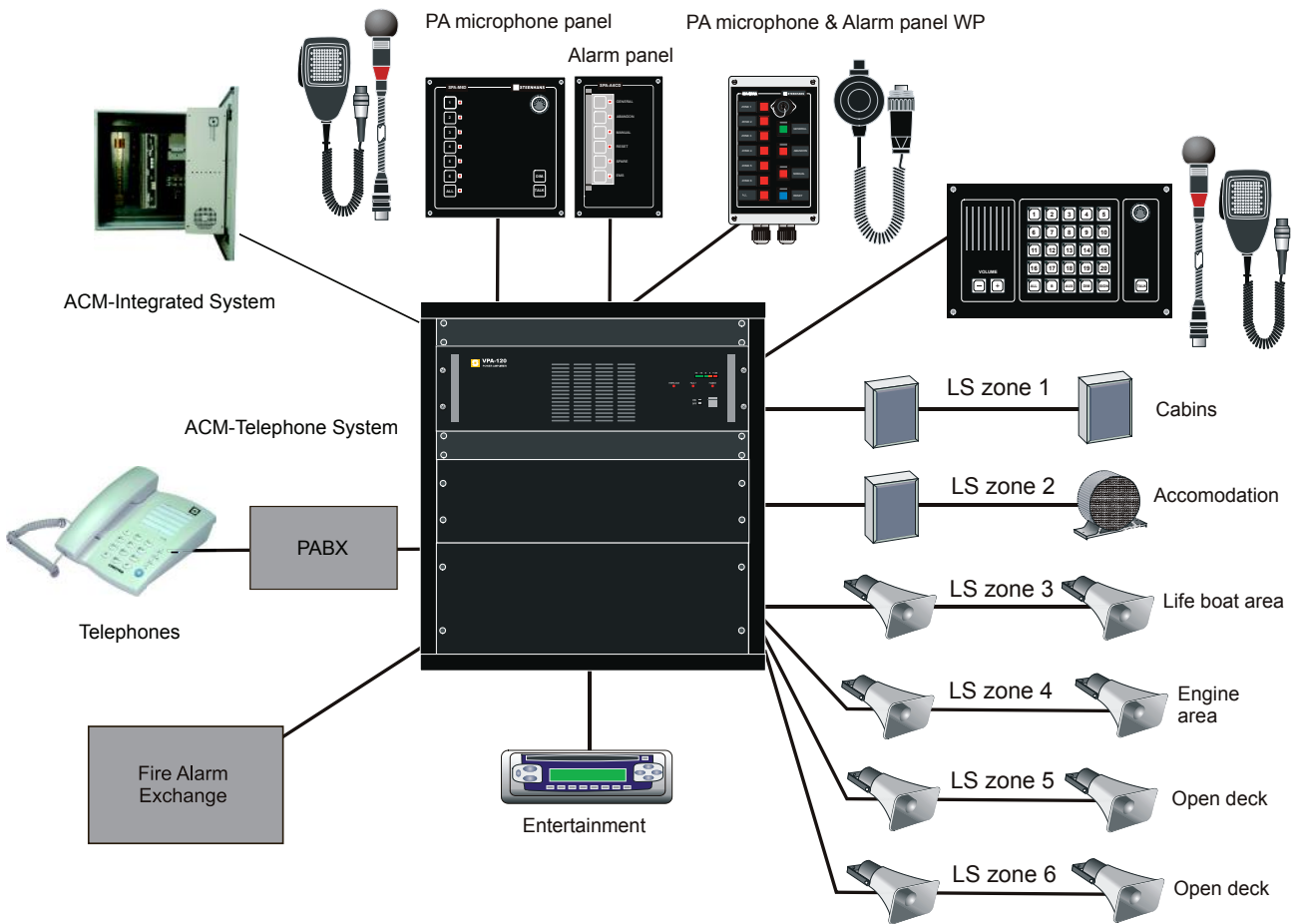
FEATURES

- 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

PA microphone panel

Alarm panel

PA microphone & Alarm panel WP

ACM-Integrated System

ACM-Telephone System

PABX

Telephones

VPA-120

LS zone 1 — Cabins

LS zone 2 — Accomodation

LS zone 3 — Life boat area

LS zone 4 — Engine area

LS zone 5 — Open deck

LS zone 6 — Open deck

Fire Alarm Exchange

Entertainment

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

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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

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

3005010087

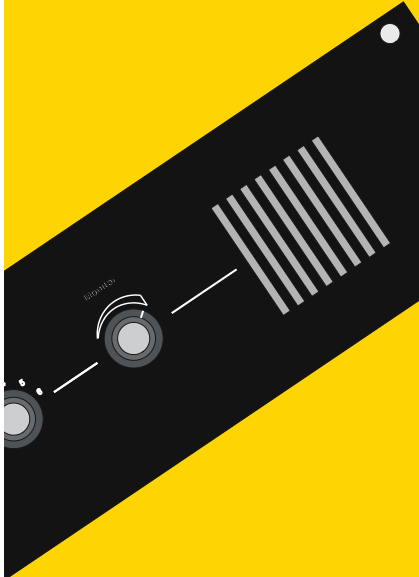## SPA-400-V2 "PA MAIN UNIT,19" RACK 1X400W VPA AMPLIFIER

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

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 765 x 525 mm Weight: 35.0 kg

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

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3005010188

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

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 AMP 4HU

VINGTOR

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

2329990003

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

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.
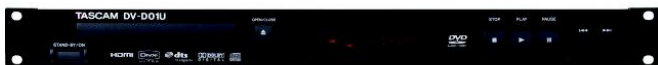- Potential-free switching for message indication.

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

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
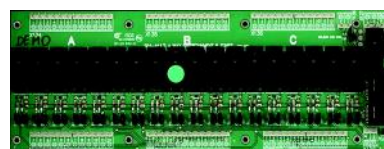- Plugable screw terminals for external connections

Additional Information: Optional rack unit

3005010166

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

2990000032

CPM-SNT-120-5 POWER SUPPLY 100-240VAC/24VDC 5A

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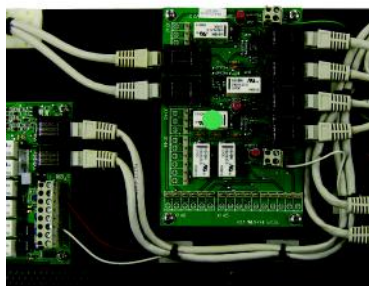- Short-circuit protected
- DIN mounting
- GL approved

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

Additional Information: Din rail mounting

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   Weight: 0.5 kg

Additional Information: Mounted on 1HU ventilation panel, Assembly and cusomized 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

3005010176

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

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 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

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 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
- Plugable screw terminals for external connections
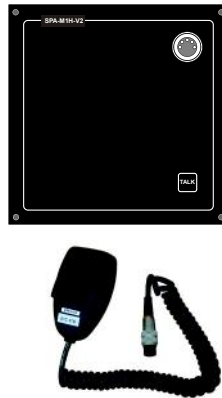
Additional Information: Optional rack unit

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
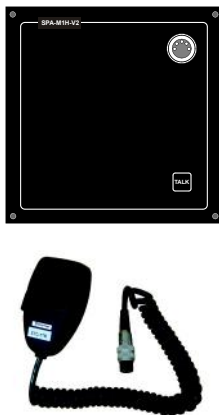- Local mute contact for external loudspeaker

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
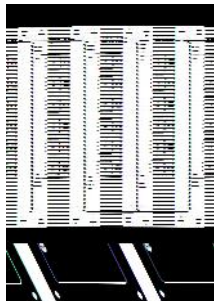- Local mute contact for external loudspeaker

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
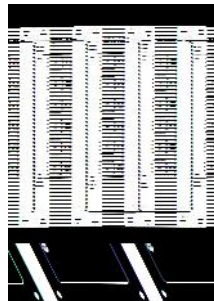- Local mute contact for external loudspeaker

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
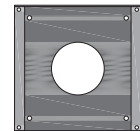- Local mute contact for external loudspeaker

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

- 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- ND ALARM PANEL W/6 ZONES FOR OUTDOOR USE

- 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

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-54

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-54

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

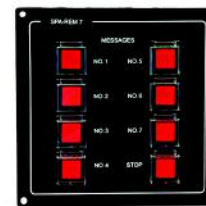- Prepared with screw terminals for connections

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 DARP-16

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

Additional Information: IP-22, Unit for SPA-DARP-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 (WxHxD): 252 x 100 x 59 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 78 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

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

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VINGTOR PRODUCT CATALOGS

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