Catálogo

Sistemas PAVA

VICRODEL
Sistemas Electrónicos

*** Vicrodel possui classificação de parceria VAR/Integrador com a:**

KIDDE COMMERCIAL

*** A classificação VAR/Integrador designa a Vicrodel como parceiro reconhecido na prestação de Serviços Técnicos de Assessoria de Instalação e Programação**

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VICRODEL
Sistemas Electrónicos

Sistema de Som e Alarme por Voz

KIDDE GLOBAL SOLUTIONS ambient SYSTEM

Unidades de Controlo

miniVES — Unidades de Controlo All-in-One



Os dispositivos miniVES e midiVES são unidades de controlo compactas de alarme por voz que contem todos os componentes numa caixa
cumprem todos os requisitos das normas EN 54-16 e EN 54-4 (certificado de consistência de desempenho 1438-CPR-0659).

Todo o conceito do sistema baseia-se nos nós de distribuição da rede de áudio de alta qualidade equipados com 2x amplificadores indepe
160W (EST-VES-2001) e 2x amplificadores independentes de 320W (EST-VES-4002) ou 3x amplificadores independentes de 500W (EST-VES-8
distribuem sinais de 100 V para 2, 4 e 8 linhas de altifalantes, dependendo do modelo. O sistema assegura igualmente o funcionamento de
amplificador de reserva para o tipo de sinais com prioridade de emergência.

- Autónomo ou ligação em rede TCP/IP
- Sistema completo montagem parede e rack - EN54-4 / 16
- Monitorização de impedância de altifalantes
- Gestão remota
- Até 254 dispositivos em rede (incluindo microfones de bombeiros e de zona
- Possibilidade de ligação em rede via fibra ótica, cobre ou ambas.
- Processamento Digital de Sinal áudio, incorporado
- Capacidade de efetuar evacuação, mensagens e reprodução de música
- Som com qualidade profissional

miniVES

REFª	Descrição
 EST-VES-2001-L	Integrated **miniVES** PA/VA unit: **2xAB (4 lines)**; **amp 2x160W (inc. spare amp.)**; **1x message**; LCD, fireman mic.; charger; w/o ba **Stand alone** - All in one – independent wall mount EN 54-4 / 16 PA/VA unit - Impedance speaker monitoring - Remote managem to 254 devices can be connected on the network (incl. fireman and zone microphones)
EST-VES-4002-L	Integrated **miniVES** PA/VA unit: **4xAB (8 lines)**; **amp 2x320W (inc. spare amp.)**; **2x messages (at the same time)**; LCD, fireman charger; w/o batteries **Stand alone** - All in one – independent wall mount EN 54-4 / 16 PA/VA unit - Impedance speaker monitoring - Remote managem to 254 devices can be connected on the network (incl. fireman and zone microphones)
EST-VES-4002-LN	Integrated **miniVES** PA/VA unit: **4xAB (8 lines)**; **amp 2x320W (inc. spare amp.)**; **2x messages (at the same time)**, LCD, fireman charger, w/o batteries **TCP/IP network architecture** - All in one – independent wall mount EN 54-4 / 16 PA/VA unit - Impedance speaker monitoring - F management - Up to 254 devices can be connected on the network (incl. fireman and zone microphones)
 EST-VES-4002-LNR	Integrated **miniVES** PA/VA unit: **4xAB (8 lines)**; **amp 2x320W (inc. spare amp.)**; **2x messages (at the same time)**; LCD, fireman charger; w/o batteries; **Rack-mounting version** **TCP/IP network architecture** - All in one – independent rack mount EN 54-4 / 16 PA/VA unit - Impedance speaker monitoring - I management - Up to 254 devices can be connected on the network (incl. fireman and zone microphones)

midiVES — Unidades de Controlo All-in-One

midiVES



REFª	Descrição
 EST-VES-8003-LN	Integrated **midiVES** PA/VA unit: **8xAB (16 lines)**; **amp 3x500W (inc. spare amp.)**; **3x messages (at the same time)**; LCD, firema charger; w/o batteries **TCP/IP network architecture** - All in one – independent wall mount EN 54-4 / 16 PA/VA unit - Impedance speaker monitoring - F management - Up to 254 devices can be connected on the network (incl. fireman and zone microphones)
 EST-VES-8003-LNR	Integrated **midiVES** PA/VA unit: **8xAB (16 lines)**; **amp 3x500W (inc. spare amp.)**; **3x messages (at the same time)**; LCD, firema charger; w/o batteries; **Rack-mounting version** **TCP/IP network architecture** - All in one – independent rack mount EN 54-4 / 16 PA/VA unit - Impedance speaker monitoring - I management - Up to 254 devices can be connected on the network (incl. fireman and zone microphones)
 EST-VES-8003-LNRX2	Integrated **midiVES VES-8003-LNR + VES-8003-R** PA/VA unit: **16 x AB (32 lines)**, **amp 6x500W (inc. spare amp.)**, **6x messages (a same time)**, LCD, fireman mic., charger; w/o batteries; **Mounted 15U rack** **TCP/IP network architecture** - All in one – independent wall mount EN 54-4 / 16 PA/VA unit - Impedance speaker monitoring - F management - Up to 254 devices can be connected on the network (incl. fireman and zone microphones)

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Unidades de Controlo

smartVES — Unidades de Controlo Modular



smartVES



REFª	Descrição
 EST-CU-11LCD	Control Unit with **LCD** (11 control slots) Compliance with EN54-16 - Network-based system allowing configuration, diagnostics and management via Ethernet - Managin 254 devices on the network - 11 slots available for any configuration of loudspeaker control cards and control input / output car Built-in audio card with 4 inputs and 12 audio outputs
 EST-CU-11LT	Control Unit (11 control slots) Compliance with EN54-16 - Network-based system allowing configuration, diagnostics and management via Ethernet - Managin 254 devices on the network - 11 slots available for any configuration of loudspeaker control cards and control input / output car Built-in audio card with 4 inputs and 12 audio outputs

REFª	Descrição
 EST-XCtrLine-2	Loudspeaker line control card, 2 lines
EST-XCtrLine-4	Loudspeaker line control card, 4 lines
 EST-XLOGIN-8C	Logical inputs card (control slot), 8 inputs
EST-XLOGOUT-8C	Logical outputs card (control slot), 8 inputs

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Amplificadores

smartVES — Amplificadores Classe D



Os Amplificadores foram concebidos para uma integração perfeita nas soluções EDWARDS. Graças à sua flexibilidade, também p
ser utilizados para quaisquer outras aplicações de Evacuação de Voz e de Morada Pública. Estes amplificadores foram desenvol
para satisfazer os requisitos específicos da norma EN 54-16 para instalações de segurança.

REF*	Descrição
EST-PA1650B	Power amplifier D-Class **1x 650 Watt** Front panel indicators include: Supply / Active / Fault - 100 / 50 Volt available via terminal blocks at the rear - EST-PA1650B comb the EST-PSM48 Power Supply Manager (charger and back-up supply)
EST-PA2650B	Power amplifier D-Class **2x 650 Watt** Front panel indicators include: Supply / Active / Fault - 100 / 50 Volt available via terminal blocks at the rear - Output channels ca linked into: 1 x 1300 W by daisy-chaining 50 V tapping (input on parallel) - EST-PAXXXXB combines with the EST-PSM48 Power Su Manager (charger and back-up supply)
EST-PA4160B	Power amplifier D-Class **4x 160 Watt** Front panel indicators include: Supply / Active / Fault - 100 / 50 V available via terminal blocks at the rear - Output channels can b into 2 x 320 W by daisy-chaining 50 V tapping (input on parallel) - EST-PAXXXXB combines with the EST-PSM48 Power Supply Mar (charger and back-up supply)
EST-PA8080B	Power amplifier D-Class **8x 80 Watt** Front panel indicators include: Supply / Active / Fault - 100 / 50 Volt available via terminal blocks at the rear - Output channels ca linked into 4 x 160 W by daisy-chaining 50 V tapping (input on parallel) - EST-PAXXXXB combines with the EST-PSM48 Power Supp Manager (charger and back-up supply)
EST-PA8160B	Power amplifier, D-Class, **8x 160 Watt** Front panel indicators include: Supply / Active / Fault - 100 / 50 V available via terminal blocks at the rear - Output channels can b into 4 x 320 W by daisy-chaining 50 V tapping (input on parallel) - EST-PAXXXXB combines with the EST-PSM48 Power Supply Mar (charger and back-up supply)

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Fontes de Alimentação

smartVES — Fontes de Alimentação e Baterias



REF*	Descrição
Fontes de Alimentação	
EST-PF4	Power supply unit frame
EST-PSM48	Power Supply Manager
EST-PS48800	Power Supply Unit

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Microfones

Série EST-M — Microfones



REF*	Descrição
EST-M04	Microphone Station (4 buttons) Solid construction - Zone configuration buttons at front panel with LED - Microphone on/off button with LED - Flexible microphо - Microphone volume control at rear panel
ABT-M04N	Microphone Station (4 buttons), **networkable** Daisy chain connection up to 35 mics - Simple Cat5e interconnection - AUX input with dedicated volume control - Microphone go with LED red ring indication - Active MIC / AUX in use information between microphones

Série EST-DMS — Microfones Zona



REF*	Descrição
EST-DMS	Zone Microphone Monitored connection of the unit to the system - 9 fully-programmable keys with a possibility of connecting up to five 20-key ext - 4 non-symmetrical audio inputs, (1/8") stereo jack connector - Built-in speaker - Stereo jack sockets for a headset
EST-DMS-LCD	Zone Microphone with LCD 4.5" LCD touch screen for fast and clear matricing and system management - Ability to select zones and messages to be played recorded or 'live') and other audio input - Monitored connection of the unit to the system - 5 fully-programmable keys with a pos

Série EST-DFMS — Microfone Bombeiros



REF*	Descrição
EST-DFMS	Fireman Microphone Monitored microphone and connection of the microphone module to the system - A dedicated evacuation key - 3 fully-programı keys with a possibility of connecting up to five 20-key extensions - Built-in 2 contact inputs and 2 relay outputs - POE or external based power supply

DMS e DFMS — Expansão



REF*	Descrição
EST-EKB-20M	Microphone Keyboard Extension - Power supply RJ45 from DFMS or DMS

KIDDE GLOBAL SOLUTIONS

Intercomunicadores

Série ABT-IC — Intercom



REF*	Descrição
ABT-IC-1	Intercom with 1 button Full Duplex Echo Cancellation High quality HD Audio Supports wide set of IP and networking standards Relays enable control fu Wide operating temperature range from -40 to +65°C High environmental protection level – IP65 Robust vandal resistant die-ca aluminium housing – rating IK10
ABT-IC-K1	Intercom with full keyboard Full Duplex Echo Cancellation High quality HD Audio Supports wide set of IP and networking standards Relays enable control fu Wide operating temperature range from -40 to +65°C High environmental protection level – IP65 Robust vandal resistant die-ca aluminium housing – rating IK10

Série ABT-IC — Paging Station



REF*	Descrição
ABT-ICDG-1	SIP Paging station (hardware) - Desk Microphone 20 SIP lines, 3-way conference, hotspot HD audio on speakerphone and handset Movable type Directional External Gooseneck Microphone 4.3" main color display, 2 x 3.5" side color displays for DSS keys Built-in Bluetooth Wi-Fi connectivity(Via Wi-Fi dongle 106 DSS keys (42 tri-colored physical keys) Video Codec H.264 support for receiving video calls Dual Gigabit ports, integrated Pol with 2 adjustable angles of 40 and 50 degrees Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, A

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Acessórios PAVA

PAVA — Acessórios



REFª	Descrição
Distribuição Audío	
EST-REG1	Volume controller with bypass relay, 40W, 100V
EST-ISLE	Digital audio RS485 interface
Racks e Armários	



RACK-19-24U	RACK 24U (600x800mm) cabinet (WZ-IT-246080-19AA-2-011)
RACK-19-33U	RACK 33U (600x800mm) cabinet (WZ-IT-336080-19AA-2-011)
RACK-19-42U	RACK 42U (600x800mm) cabinet (WZ-IT-426080-19AA-2-011)
ABT-MVRA	Rack adapter, 19 inch - All-in-One contro



Redbox300	Wall enclosure manufactured out of sheet steel made for a desktop fire microphone station – EST-DFMS and one of the keyboar extension EST-EKB-20M Physical dimensions: 310 x 300 x 150 mm (H x W x D)
Sensores de Ruido Ambiente	
ABT-NSC6	Noise sensing controller Operate under extreme temperatures Powered over external PS or POE TCP /IP connection supporting Up to 24 controllers in th network Up to 6 Noise sensing mics per controller
ABT-NSM-A	Noise sensing mics for one controller - type A Operate under extreme temperatures 2 wire analog connection up to 300 meters from ABT-NSC6
ABT-NSM-B	Noise sensing mics for one controller - type B Operate under extreme temperatures 2 wire analog connection up to 300 meters from ABT-NSC6

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Software

YELLOW — Software



REFª	Descrição
Distribuição Audío	
YELLOW_SOFTWARE	Security System Managment Software

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Altifalantes e Colunas

Som — Altifalantes e Colunas

REFª	Descrição
Montagem de Embutir	
 ABT-S106	Ceiling speaker - Power: **6 W**, 100 V - Mounting type: Ceiling mount, Spring clamp - **Dimensions: 104 x 111 mm (Ø x H)** - Colour (RAL 9003) - IP rating: IP32 - Standards EN54-24
EST-S136	Ceiling speaker - Power: **6 W**, 100 V - Mounting type: Ceiling mount, Spring clamp - Dimensions: **134 x 113 mm (Ø x H)** - Colour (RAL 9003) - IP rating: IP32 - Standards EN54-24
 EST-S186	Ceiling speaker - Power: **6 W**, 100 V - Mounting type: Ceiling mount, Spring clamp - Dimensions: **175 x 75 mm (Ø x H)** - Colour W 9003) - IP rating: IP32 - Standards EN54-24
EST-S206B	Ceiling speaker - Power: **6 W**, 100 V - Mounting type: Ceiling mount, Spring clamp - Dimensions: **199 x 115 mm (Ø x H)** - Colour (RAL 9003) - IP rating: IP32 - Standards EN54-24
ABT-S2010	Ceiling speaker - Power: **10 W**, 100 V - Mounting type: Ceiling mount, Spring clamp - Dimensions: **200 x 110 mm (Ø x H)** - Colour (RAL 9003) - IP rating: IP32 - Standards EN54-24
 EST-S206B_BL	Ceiling speaker - Power: **6 W**, 100 V - Mounting type: Ceiling mount, Spring clamp - Dimensions: **199 x 115 mm (Ø x H)** - **Colour** IP rating: IP32 - Standards EN54-24
Montagem Teto e Parede	
 EST-P10	Sound projector designed to directional sound Power: **10 W**, 100 V - Mounting type: **Ceiling & Wall bracket** - Dimensions: **135 x 205 mm (Ø x H)** - Colour White (RAL 9003) - IP IP66 - Standards EN54-24/BS5839-8 thermal protection
EST-P20	Sound projector designed to directional soundPower: 20 W, 100 V - Mounting type: Ceiling & Wall bracket - Dimensions: 143 x 21 (Ø x H) - Colour White (RAL 9003) - IP rating: IP66 - Standards EN54-24/BS5839-8 thermal protection
 EST-P10P	Sound projector designed to directional sound Power: **10 W**, 100 V - Mounting type: **Pendant mount** - Dimensions: **135 x 205 mm (Ø x H)** - Colour White (RAL 9003) - IP rating: Standards EN54-24/BS5839-8 thermal protection
EST-P20P	Sound projector designed to directional sound Power: **20 W**, 100 V - Mounting type: **Pendant mount** - Dimensions: **143 x 210 mm (Ø x H)** - Colour White (RAL 9003) - IP rating: Standards EN54-24/BS5839-8 thermal protection
Montagem Superfície	
 EST-W6	Aesthetic Speaker Power: **6 W**, 100 V - Mounting type: **Screw / bolt mount, Wall mount**- Dimensions: **260 x 180 x 80 mm (W x H x D)** - Colour Whi 9003) - IP rating: IP32 - Standards EN54-24/BS5839-8 thermal protection Optional Accessories: ABT-W6-FRAME & ABT-W6-BOX
ABT-W6/AB	Aesthetic Speaker Power: **2x 6 W**, 100 V - Mounting type: Screw / bolt mount, Wall mount- Dimensions: 260 x 180 x 80 mm (W x H x D) - Colour Whi 9003) - IP rating: IP32 - Standards EN54-24/BS5839-8 thermal protection Optional Accessories: ABT-W6-FRAME & ABT-W6-BOX
 EST-W6_BL	Aesthetic Speaker Power: **6 W**, 100 V - Mounting type: Screw / bolt mount, Wall mount- Dimensions: 260 x 180 x 80 mm (W x H x D) - **Colour Black** - rating: IP32 - Standards EN54-24/BS5839-8 thermal protection Optional Accessories: ABT-W6-FRAME & ABT-W6-BOX
 EST-W6W	Aesthetic Speaker Power: **6 W**, 100 V - Mounting type: Wall mount / **Wood cover** - Dimensions: **254 x 196 x 78 mm (W x H x D)** - Colour White (RAL IP rating: IP32 - Standards EN54-24/BS5839-8 thermal protection
 WA-AB_06-100/T-EN54	Aesthetic Speaker Power: **2x 6 W**, 100 V - Mounting type: Wall mount- Dimensions: **252 x 194 x 82 mm (W x H x D)** - Colour White (RAL 9010) - IP ra IP54 - Standards EN54-24
 EST-SW176	Aesthetic Speaker Power: **6 W**, 100 V - Mounting type: **Ceiling mount, Wall mount** - Dimensions: **170 x 80 mm (Ø x H)** - Colour White (RAL 9003) - I IP32 - Standards EN54-24/BS5839-8 thermal protection
 WU_06-66/T-EN54	Alu-style wall Speaker Power: **6 W**, 100 V - Mounting type: **Flush mount, Wall mount** - Dimensions: **120 x 120 x 102 mm (W x H x D)** - Colour Aluminiu rating: IP21 - Standards EN54-24
Acessórios	
 ABT-W6-FRAME	Frame for drywall mounting
 ABT-W6-BOX	Frame for in-wall mounting

Tipo Corneta — Altifalantes Tipo Corneta

ABT-T1410	Horn-type Loudspeaker - 10 W, 100 V - 140 x 214 mm - IP66 - EN54-24
ABT-T2015	Horn-type Loudspeaker - 15 W, 100 V - 200 x 258 mm - IP66 - EN54-24
EST-T2430	Horn-type Loudspeaker - 30 W, 100 V - 233 x 325 mm - IP66 - EN54-24

Tipo Barra — Colunas Line Array

ABT-LA30	Line Array Loudspeaker Column - 30 W, 100 V - 510 x 80 x 110 mm - IP65 - EN54-24
ABT-LA-KIT	Kit for connecting the ABT-LA columns

KIDDE GLOBAL SOLUTIONS

Fontes de Alimentação e Baterias

Alimentação — Baterias



REFª	Descrição
Baterias Formato Standard	
AKU-18-12	Bateria de 12Vcc 18 Ah para sistema de som e alarme por voz PAVA
AKU-28-12	Bateria de 12Vcc 28 Ah para sistema de som e alarme por voz PAVA
AKU-35-12	Bateria de 12Vcc 35 Ah para sistema de som e alarme por voz PAVA
AKU-40-12	Bateria de 12Vcc 40 Ah para sistema de som e alarme por voz PAVA
AKU-65-12	Bateria de 12Vcc 65 Ah para sistema de som e alarme por voz PAVA
AKU-80-12	Bateria de 12Vcc 80 Ah para sistema de som e alarme por voz PAVA
AKU-100-12	Bateria de 12Vcc 100 Ah para sistema de som e alarme por voz PAVA
AKU-120-12	Bateria de 12Vcc 120 Ah para sistema de som e alarme por voz PAVA
AKU-160-12	Bateria de 12Vcc 160 Ah para sistema de som e alarme por voz PAVA
AKU-200-12	Bateria de 12Vcc 200 Ah para sistema de som e alarme por voz PAVA
Baterias Formato Compato	
AKU-55-12AFT	Bateria de 12Vcc 55 Ah AFT para sistema de som e alarme por voz PAVA
AKU-75-12AFT	Bateria de 12Vcc 75 Ah AFT para sistema de som e alarme por voz PAVA
AKU-100-12AFT	Bateria de 12Vcc 100 Ah AFT para sistema de som e alarme por voz PAVA
AKU-125-12AFT	Bateria de 12Vcc 125 Ah AFT para sistema de som e alarme por voz PAVA
AKU-150-12AFT	Bateria de 12Vcc 150 Ah AFT para sistema de som e alarme por voz PAVA

