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Technologies

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EST-VES-2001-LN

Integrated mini PA/VA unit: 2xAB (4 lines); amp 2x160W (inc. spare amp.); 1xaudio; LCD, fiber network card, fireman mic.; charger; w/o batteries

Overview

EST VES is scalable Public Address & Voice Alarm unit suitable for multi-purpose architectures. Devices from EST VES series are voice alarm compact control units containing all components within one compact housing, which meet all the requirements of EN 54-16 and EN 54-4 (certificate of constancy of performance 1438-CPR-XXXX).

Whole concept of the system is based on the high quality audio network distribution nodes equipped either with two independent 160 W or 320 W class D amplifiers, which distribute 100 V signals to 4 or 8 speaker lines depending on the type. The system also ensures operation of a backup amplifier for the Emergency priority type of signals.

EST VES is equipped with integrated backup power supply and EN 54-4 compliant charging unit.EST VES is designed to be a Plug & Play device with all elements expected from Voice Evacuation Systems; including a built-in fire microphone, touchscreen for global control, DSP, programmable contact inputs and buttons, time scheduler, charger with battery mounting space and expandable memory size for messages – all fitted into IP30 chassis.

EST VES belongs to the family of independent EVAC systems which can be networked together and extended by desktop zone microphones or fireman microphones via TCP/IP network to provide live announcements and background music inputs. The system has been designed to be wired using CAT5 cables for paging microphones and fibre-optic redundant interlink connections between the systems.

EST VES support up to 45 high quality audio signals distributed over 254 devices in the network.

Details

- Stand alone or TCP/IP network architecture
- All in one – independent wall mount EN 54-4 / 16 PA/VA unit
- Impedance speaker monitoring
- Remote management
- Up to 254 devices can be connected on the network (incl. fireman and zone microphones)
- Ability to connect standalone EST VES units via fiber optic / copper or both cables. Compatibility with RACK mounted modular EST ENT VES
- DSP audio processing on board
- Professional Sound Quality
- Evacuation, paging message and background music features
- Simple installation
- User friendly and intuitive programming software

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Technical specifications

Input

Quantity and type	1, Stereo to Mono

Output

Quantity and type	1, Mono

Standby battery

Battery working time	30 hours + 30 minutes evacuation

Physical

Physical dimensions	440 x 525 x 350 mm (W x H x D)
Colour	Black
Gross weight	26 kg
No of messages played at the same time	1
Protection	Over-temperature, short circuit, overload, ground leakage
No of AB zones	2
No of speaker lines	4
No of control inputs	7
No of relay outputs	3
No of amplifiers / Power	2 / 160 W RMS
Redundant amplifier	Yes – 160 W RMS

Environmental

Operating temperature	-5°C to +45°C
IP rating	30
Operating humidity	5 to 95% non-condensing

Standards & regulation

Certification	EN54-4
Standards	EN54-16

Optional functions

Network card	2x SFP module 1 Gb/s, 1x POE 1 Gb/s, 100 Mb/s, 1x LAN 1 Gb/s, 100 Mb/s connection; RS485 port; 1xLAN/WAN 100 Mb/s connection
GUI	4,5'' color touch screen
DSP	Input EQ, outputs EQ, Feedback eliminator and audio limiter

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