

EST-VES-2001-L

Integrated mini PA/VA unit: 2xAB (4 lines); amp 2x160W (inc. spare amp.); 1x audio; LCD, 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 |
|--|---|

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|------------|---|
| 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 |
|--------------------------|---------------|

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|---------------------|-----------------|
| 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 |
|---------------|--------|

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|-----------|---------|
| Standards | EN54-16 |
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Optional functions

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|--------------------|---|
| Basic Network card | 2x Lan 1 Gb/s, 100 Mb/s, 1x LAN/WAN 100 Mb/s connection |
|--------------------|---|

| | |
|-----|-------------------------|
| GUI | 4,5" color touch screen |
|-----|-------------------------|

| | |
|-----|---|
| DSP | Input EQ, outputs EQ, Feedback eliminator and audio limiter |
|-----|---|

