



NEW

VOICE EVACUATION SYSTEM

European
manufacturer



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electronics**

SAFETY & SECURITY SYSTEMS

for a safer world!



Voice Alarm Control and Indicating Equipment

COMPACT 500



The **Compact 500** offers a complete, integrated solution for a Voice Alarm Control and Indicating Equipment (VACIE) system, based on the boxed-amplifier concept.

Each Compact unit is fully self-contained, including the routing necessary to serve up to 6 single zones of 100W RMS power each, with additional active back-up amplifiers. It also offers the additional capability for the amplifiers to be bridgeable, for a total of 3 zones of 200W RMS.

The Class D power amplifiers used in the Compact 500 offer high efficiency (80% rated power) operation at 100V RMS and a full spectrum bandwidth from 50 Hz to 20 kHz, as well as a low Signal to Noise (SNR) ratio, rated at less than 80dB. It is also able to be used as a Public Address (PA) system, as well by offering the capability to play Background Music (BGM) due to its full spectrum bandwidth of 50 Hz to 20kHz, low input-output latency (less than 10 ms) and advanced DSP features (HP/LP filter, multipoint parametric eq).

The system has a built-in power supply, EN 54-4 certified, rated to operate with voltages of 110-230 V AC, 50/60 Hz and it is compatible with 2x12V Pb batteries of up to 55 Ah, offering large autonomy.

The Compact 500 system is fully networkable, for up to 255 devices in a global network, and it is able to connect to Olympia-Electronics fire detection panels, offering the ability to fully cover large installations. The capability of the system to be utilized as a PA, makes it suitable for projects such as malls, airports and schools, leading to a simplified installation with increased safety for the occupants.



LDB

Loopdrive booster module

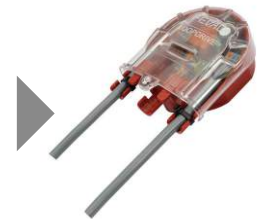
- 1 audio input
- 1 loop output
- 18-36V DC
- IP30



4E-SW6

Remote zone expander interface

- 2 audio in 100V AC 500W each
- 6 audio outputs 500W total,
- 18-36V DC
- IP30



FIM-i

Field isolator module

- IP30



4E-LCF6/ENC

Speaker 100V AC

- 6/3/1,5W
- 98,4dB
- IP21



4E-LCS6/ENC

Speaker 100V AC

- 10/6/3/1,5W
- 102,2dB
- IP21



4E-FMT

Fireman microphone
with 7" touchscreen

- wall or tabletop mounted

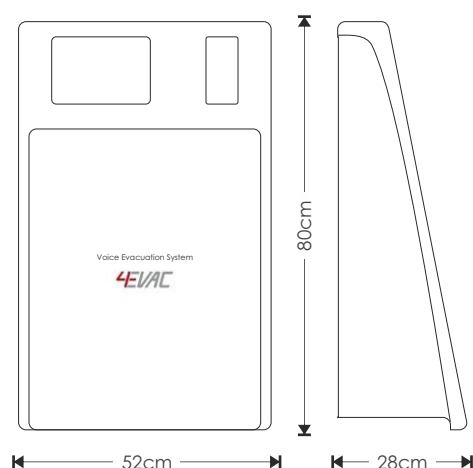


Technical specifications

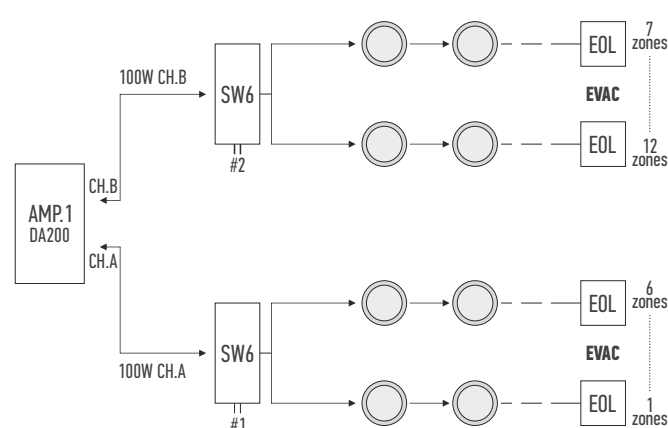
| | |
|---------------------------------|--|
| Number of zones | max. 6 local zones |
| Total output power | 600W (pink-noise) |
| Power amplifiers | up to 6 x 100W modular Class D (2 channels per module) bridgeable up to 3 x 200W |
| Standby power amplifiers | 2 x 100 W / 1 x 200 W Class D dedicated backup amplifiers |
| Loudspeaker type | V step-down transformer. |
| Voice messages | |
| Storage | max. 16 audio files x 1 minute, micro-SD card with content monitoring |
| Message player | max. 6 simultaneous local message playback |
| Power supply equipment | Built-in power supply system EN 54-4 certified. |
| AC supply | 110 – 230 V AC, 50/60 Hz |
| AC current consumption | max. 5.3 A @115 V AC / 2.65A @230 V AC |
| Inrush current | 40A @115 V AC, 20A @230 V AC |
| Power supply protection | Overload current limiting, over voltage shutdown, over temperature shutdown. |
| Battery requirements | |
| Type | Sealed, rechargeable lead-acid battery for stationary use |
| Capacity, charging time | 10-55 AH, <24 h @ 80% capacity |
| Rated voltage | 24 V DC (2 x 12 V) |
| Battery dimensions | 2 batteries, each of max. 230x138x207mm (LxWxH) |
| Battery weight | max. total 32.6 kg |

| | |
|---|---|
| Inputs | |
| 2 x BGM | 2 x independent balanced analog in, line-level mono, 22 kΩ input impedance |
| 6 x EVAC in, 1x SILENCE in, 1x RESET in | monitored logic inputs, 4.7 kΩ +10 kΩ EOL resistor |
| 8 x GPI | unmonitored logic inputs (pull-down, configurable active low/hi). |
| Outputs | |
| EVAC out, FAULT out | Potential-free relay output (configurable NO/NC) |
| 8 x GPO | Open collector output (configurable NO/NC) |
| 6 x Loudspeaker out | 6 x 100 V / 50 V, 100 W transformer output, 20 kHz AC monitoring with Loopdrive EOL unit. |
| Audio | |
| Frequency response | 50 Hz – 20 kHz (local BGM) 100 Hz – 12 kHz (message player, network audio compressed) |
| Input- output latency | < 10 ms (stand-alone system) |
| Digital audio format | 24 kHz sampling, ADPCM compressed |
| DSP features | HP/LP filter, multi-point parametric EQ delay. |
| Mechanical | |
| Dimensions (HxWxD) | 80 x 52 x 28 cm |
| Weight (without batteries) | 29 kg (6 channel version) |
| Housing material | Steel / ABS |
| IP rating | IP 30 |
| Mounting | Wall mounted box, wall bracket included. |

Dimensions in cm



Basic set up EVAC - 12 zones





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European
manufacturer



The company is certified by

SWISS APPROVAL
Objectively True
ISO 14001, ISO 45001, ISO 9001

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