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EVAC-MC

The compact voice alarm system with master clock in the school sector

EVAC-MC

COMPACT VOICE ALARM SYSTEM WITH MASTER CLOCK AND EMERGENCY POWER SUPPLY SYSTEM

The EVAC-MC system is a compact voice alerting system for the school sector with integrated master clock. It serves the purpose of controlling analogue and digital clocks, tripping time-controlled messages and signals, generating voice announcements, controlling background sound and direct tripping of safety-related and security-related signals and messages. The integrated emergency power supply system guarantees operation in the event of power failure.

The system is suitable for all premises and installations requiring targeted, simultaneous voice information in all areas. Time-controlled signals, such as break bell, can also be integrated.

EVAC-MC trip unit with master clock and emergency power supply system

- Integrated SD card for programming the time-controlled events

- Output using the time-code or pulse method for the synchronization of the analogue and digital clocks

- Connection for GPS or DCF antennas

- Time-controlled contacts (2) and audio outputs (2) with DIP switch preselection (Audio 1)

- 2 protected buttons to initiate predefined voice files

- 1 Reset button for «alarm» and power-failure buzzer

- Integrated emergency power supply system for bypassing mains power failures

LC-CD-250 unit

- Digital amplifier LC-CD-250, 250 W / 100 V

- 6 (4) universal inputs for microphones or AUX

- Priority contacts or voice activation via EVAC-MC

THE COMPACT SOLUTION FOR SCHOOLS

LC-CD

The 250 W digital mixing amplifier incorporating 100 V technology with 6 inputs makes it possible to play voice or sound signals in large areas – regardless of positioning and combination of a very wide variety of speakers. Two time-controlled audio files can be played back as required, and the APS-301 microphone console allows direct voice announcements in all rooms for providing immediate and individual information to relevant persons.

The LC-CD-EXT-8 which allows voice or sound signals to 8 zones in combination with digital microphone consoles is available for extending the functionality of the system.

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This unit combines a master clock and an emergency power supply system. Two buttons serve to trip freely definable voice files and one button serves to reset voice alerting.

The master clock allows control of analogue and digital clocks via a two-wire line using the pulse or time-code method; the time signal is synchronised by DCF or GPS antennas. In addition, the related software which is stored on the integrated SD card can be used to trip time-controlled contacts or signals such as automatic switchover between daylight saving time and winter time or a holiday plan management system. The sound file (Audio 1) can be freely selected via the DIP switch.

The protected buttons with contact guard activate voice signals informing persons in particular rooms of a critical situation. The integrated emergency power supply system with its own charge controller allows smooth operation even in the event of a mains power failure.

TECHNICAL SPECIFICATIONS

LC-CD-250

Content power (Sinus)	250 W
Frequency response	50 Hz to 20'000 Hz (-3 dB)
Distorsion factor	THD < 0.15 % 1 kHz full load and P1/10
Signal-to-noise ratio	> 85 dB
Input USB	For programming with User-Interface
Input 1	MIC 1: -63 dB, 200 Ω sym.
	socket XLR 5 with priority, with phantom power
Input 2 (programmable)	MIC 2: -63 dB, 200 Ω sym.
	socket XLR 5 with priority, with phantom power,
	or AUX 1: -10 dB, 47 kΩ, asym., with sockets RCA
Input 3 (programmable)	MIC 3: -63 dB, 200 Ω sym.
	socket XLR 5 with priority, with phantom power,
	or AUX 2: -10 dB, 47 kΩ, asym., with sockets RCA
Input 4	AUX 3: -10 dB, 47 kΩ, asym., with sockets RCA
Input 5	AUX 4: -10 dB, 47 kΩ, asym., with sockets RCA
Input 6	AUX 5: -10 dB, 47 kΩ, asym., with sockets RCA
Output 1	Connector block pluggable for 100 V
Output 2	0 dB with sockets RCA
Control output	Data-S for connection with extension unit LC-CD-EXT8 with RJ-12
Protection/Safety	Overload, short circuit, idle, overvoltage, undervoltage,
	power failure, overheating
Main power in feed	180–250 V AC, 50/60 Hz with PFC > 0.95
Efficiency	> 82 %
Weight	7 kg
Dimensions (W × H × D)	425 × 89 × 320 mm
Rackmounting 19"	With adapter 19", 2 U, Ref. MC-42

EVAC-MC

Input	GPS or DCF receiver
Input	Slot for SD card, max. 16 GB for time memory and audio files
Input binary 1/2/3	Floating contacts
Output, bus drivers, clocks	1.8 A, 2-wire, time code or pulse
Binary output	2 time-controlled, floating contacts (3 & 4)
Output analogue 1	Audio 1 (selectable file via DIP switch 0–7)
Output analogue 2	Audio 2 (fixed, defined file)
Output emergency power supply	250 W, 55 V DC
DIP switch	Selection of the file for audio output 1
Mains power feed	180–250 V AC, 50/60 Hz
Weight	3.2 kg
Dimensions (W × H × D)	425 × 85 × 320 mm
Rackmounting 19"	With adapter 19", 2 U, Ref. MC-42