



MICORUS



EN54-16
CERTIFIED

240W VOICE EVACUATION AMPLIFIER MASTER UNIT

MC-VEA-240M





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DESCRIPTION

The mc-vea-240m voice evacuation controller is EN54-16 certified public address & voice evacuation system. The all in one voice alarm & evacuation controller built-in remote PC software, zone paging controller, all main signal line monitoring, amplifier changeover, speaker line supervision, power supply monitoring and power amplifier, voice recorder, SD card, emergency microphone and fire alarm interface. The voice evacuation controller is innovated with most advanced DSP (digital signal processor) to ensure its hi-fi audio performance and superior signal processing in case of commercial announcement and emergency evacuation. Each controller built-in 6 zone speaker outputs, rated power output at 240M.

The voice evacuation controller shall be pre-set through the supplied software over microphone number, zone number, zone loading, speaker monitoring, fire alarm mode, alert/EVAC message zone output, AC/DC etc, then synchronized the setting to master controller and router. The voice evacuation system is strictly follow the Construction products Regulation (EU) No 305/2011: EN54-16:2008 Voice Alarm Control and Indicating Equipment.



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MC-VEA-240M

FEATURES



-  **DIGITAL VOICE EVACUATION SYSTEM ALL IN ONE CONTROLLER.**
-  **INTEGRATION OF VOICE EVACUATION CONTROLLER, REMOTE PC SOFTWARE, ZONE PAGING CONTROLLER, ALL MAIN SIGNAL LINE MONITORING, AMPLIFIER CHANGEOVER, SPEAKER LINE SUPERVISION, POWER SUPPLY MONITORING AND POWER AMPLIFIER, VOICE RECORDER, SD CARD, EMERGENCY MICROPHONE AND FIRE ALARM INTERFACE.**
-  **AUTO BROADCASTING EVAC AND ALERT 256 VOICE MESSAGES TO PRE-SET ZONES.**
-  **CUSTOMIZED ALERT, EVACUATION & BUSINESS MESSAGE STORED AT SD CARD.**
-  **AB SPEAKER LINE SURVEILLANCE TO AVOID ANY SPEAKER LINE FAILURE.**
-  **BACK-UP POWER AMPLIFIER MANAGEMENT.**
-  **UP TO 120 ZONES BY CASCADED MORE ROUTER MC-EAV-240M.**
-  **SUPPORT 32 UNITS OF REMOTE PAGING MICROPHONE EVAC-BMIC/EVAC-TMIC**
-  **SUPPORT EXTERNAL CONNECTION OF FIREMAN MICROPHONE EVAC-W120.**
-  **REDUNDANT NETWORK CABLING BACKUP THROUGH CAT6 CABLE LOOP CONNECTION.**
-  **8 SUPERVISED CONTROL INPUTS & 8 CONTROL OUTPUTS, 1 FAULT, 1 RESET & 1 EVAC RELAY OUTS.**
-  **LOGS AND FAULT EVENTS AUTO RECORDING.**



TECHNICAL SPECIFICATIONS

SYSTEM SPECIFICATIONS

	Rated Power Output	240W
	Frequency Response	80Hz ~ 20kHz
THD	THD	< 1% at RMS, 1KHz
S/NR	Signal-to-Noise Ratio (S/N)	> 70dB
	Power Consumption	350W
	Power Supply	AC230V or 115V & 24V DC inputs, 50-60Hz
	AC Fuse	250V/6.3A, slow type and restorable fuse

AUDIO INPUTS & OUTPUTS

	Fireman Microphone	5mV, 600Ω
	Line Inputs 1-2	385mV, 10kΩ balanced Combo XLR
	Line Inputs 3-6	350mV, 10kΩ, RCA
	Speaker Output	100V AB 6 zone speaker outputs
	REC Output	200mV

CONTROL & SYSTEM FEATURES



Control Input & Output:

- 8 control inputs: Max 3.3V or 0V closed contact
- 8 control outputs: 0V closed contact
- Includes: 1 fault, 1 reset & 1 EVAC relay outputs



Voice Message:

- MP3 or WMA format
- Dual SD card players
- Up to 256 programmable messages
- 10 years data retention



Event Record:

- HEX format
- Hard flash memory
- Up to 1000 records
- 10 years retention

ENVIRONMENT & PHYSICAL



Operation Temperature

+5°C ~ +40°C



Storage Temperature

-20°C ~ +70°C



Humidity

< 95%



Dimensions

484 × 132 × 449 mm



Weight

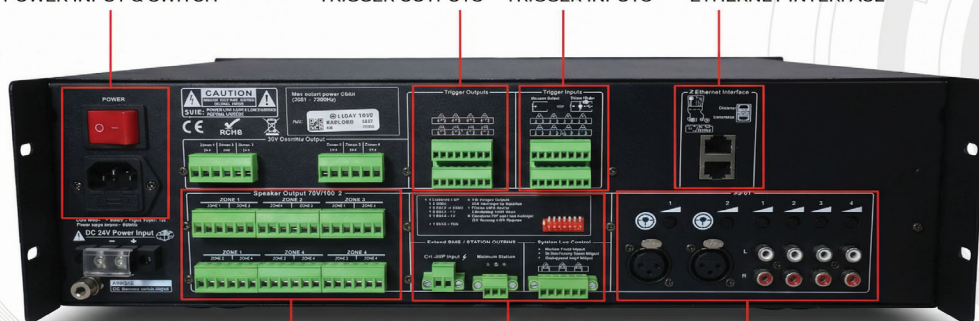
20kg

POWER INPUT & SWITCH

TRIGGER OUTPUTS

TRIGGER INPUTS

ETHERNET INTERFACE



SPEAKER OUTPUTS
(70V/100V)

EXTEND BUS /
STATION OUTPUT

MIC/LINE INPUTS
& RCA INPUTS