

# EVACLITE

# 8 ZONE VOICE

# ALARM CONTROLLER

- 8 Zone voice alarm controller
- 8 Zone Paging system with pre-recorded messages
- Adopts LCD screen for easy operation
- Simple integration with Fire Alarm Panels to activate EVAC/ALERT pre-recorded messages.
- Built-in MP3 (USB) and FM/AM functions
- Built-in loudspeaker for performing broadcast monitoring, with special monitoring volume control
- 1 microphone input, provides mix and emergency paging output modes.
- Provides 8 broadcast zone output function, the peak power of each zone is 400W, and the total power of the all 8 zones is 1000W
- 1 alarm activation input
- 19â€ 2U rack mount type



## PRODUCT DESCRIPTION

### EVACLITE includes 2 components: 1. Local control Panel 2. Paging station

The Local Control Panel is a 8 speaker circuit digital voice alarm controller which includes a digital signal processor, audio storage for pre-recorded messages, and control, fire alarm input, loudspeaker output connection terminals and audio source connection ports for auxiliary inputs.

The Local Control panel is the interface between field devices such as loudspeakers and local audio sources. EVACLITE is a cost effective solution for requirements less than 8 loudspeaker circuits(zones). The unit has 1 emergency input and 8 loudspeaker circuits (zones). The unit also can store and play pre recorded emergency messages to alert or evacuate the fire zones.

#### Emergency Voice Alarm – General Description

Emergency Voice alarm systems shall be installed in public places based on the norms released by the international and local authorities having jurisdiction. Public places may be

high-rise buildings with commercial or residential use, shopping malls, subway stations, train stations, hospitals, schools etc.

The prime objective of the system shall be to broadcast evacuation or alert messages to all the zones, in the event of an emergency. The system also should be able to receive information from Fire Alarm Panels, and play automated messages in order to ensure the safe evacuation of people.

Activation of pre-recorded emergency audio files broadcasting will suspend all low priority operations such as background music or commercial announcements. The Emergency Voice alarm system must be capable of broadcasting clear messages to lead occupants to a safe area as per the building design. For achieving the same, high quality audio broadcasts with sequential automated and/or manual operations are required

## Technical Specifications

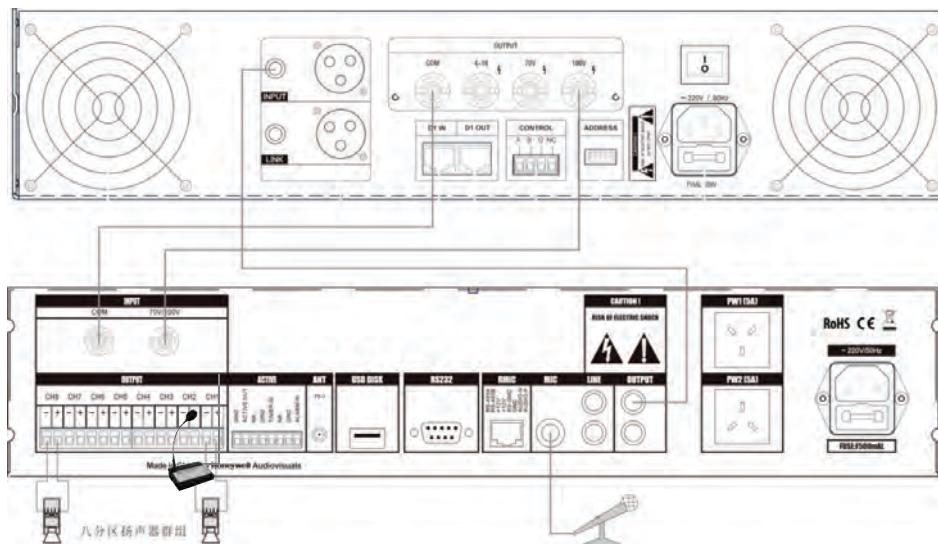
Line Input	10K Ohms 775mV, unbalanced
Microphone Input	600 Ohms 10mV, unbalanced
Remote Paging Microphone with zone selection	Signal Input frequency : 100Hz~10KHz Signal Input Sensitivity : 5V RMS Communication : RS485 mode Transmission distance : 300m
Line Output	775mV
Frequency Response	20Hz~20KHz
Total Harmonic Distortion(THD)	<0.01% at 1kHz
Signal Noise Ratio(S/R)	>70 dB
Alarm Activation Input	0V Short Circuit Signal
Timing Activation Input	0V Short Circuit Signal
Alarm Activation Output	0V Short Circuit Signal
Power Output Capability	5A
Constant Voltage Input	100V, 70V
Subarea Channel Power	≤400W (Single channel, Total) power≤1000W

Frequency Range	FM : 87.5MHz ~ 108MHz AM : 531KHz ~ 1710KHz
Power Supply Voltage	AC 220V ± 10% 50/50Hz
Rated Power	20W
Packing Dimension (W×H×D)	540 X 577 X 250 mm
Gross Weight	10.6Kg

## Ordering Information

Item	Quantity
EVACLITE Controller	1
Remote Paging Microphone	1
Cat 5 Cable	1
75 Ω Telescopic Antenna	1
USB Stick	1
Power Cable	1
User Manual	1

## Schematic Drawing of EVACLITE, application example in a traditional broadcast system



**EVAC**  
**LITE** Sound of Safety

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**8 ZONE VOICE ALARM**  
**CONTROLLER**