CFVAEMA

VoCALL emergency microphone all call (EMA)

The VoCALL Voice EMA is designed to provide an all call emergency microphone as the top two priorities of the VoCALL Voice DAU network.

All connections are fully monitored for open, short and earth faults and the microphone capsule is also monitored for open and short conditions.

The pre-amplifier is a high quality compressor limiter, which prevents the system from being overdriven by poor microphone use, it also corrects for quiet speakers. Tone controls allow the microphone to be equalised for maximum clarity and the chime is selectable (1, 2 or 3 note) and the level controlled independently of the voice level.

The CFVAEMA connects to the DAU using eight cores of cable for each network port typically this will consist of four off two core cables, the required conductor gauge is 1mm CSA. For further information on cable types, refer to BS5839 part 8, 2008.

Features and benefits

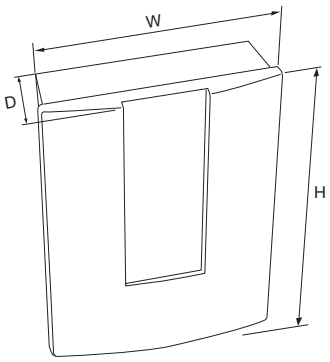
- EN54-16 CPR certified by LPCB
- Dual VoCALL voice network ports
- Fully monitored
- Close coupled noise cancelling fist microphone
- Studio quality compressor limiter
- Wall mounted enclosure
- Bass and treble controls
- Selectable 1, 2 or 3 note chime
- Secure controls inside panel
- Three message buttons and cancel
- Compliant high visibility signage
- BS5839 part 8, 2008 compliant

Powering Business Worldwide

Technical specification

Code	CFVAEMA
Description	Emergency microphone all call
Standards	EN54-16 CPR certified by LPCB
Type	Dynamic close-coupled noise cancelling element
Response	100Hz to 5KHz
Sensitivity	-52dB
Impedance	200Ω
Monitoring	Open and short circuit
Power	
Voltage	24V nominal (18V to 35V DC)
Current	60mA Nominal
Indication & controls	
Led indicators	12 off; Alert Message playing, Evac Message Playing, Test Message Playing, Speak Now, System Busy, Microphone Fault
User controls	5 off, Microphone Push to Talk, Alert Message Play, Evac Message Play, Test Message Play, Message Cancel
Audio controls	4 off, Microphone Level, Chime Level, Bass, Treble
Chime select	2 way Dip switch, no chime, 1,2 or 3 notes
Audio processing	
Gain	54dB
Compressor	Variable ratio 2:1 to limit 20:1
Attack	10mS
Release	Automatic from 500mS to 1500mS
Dynamic range	>60dB
THD	<0.25%
Output level	+4dBV Max
Physcial	
Dimensions (H x W x D)	400 x 320 x 180
Weight	4.5 Kg
Protection	IP30

Dimensions



Description	H (mm)	W (mm)	D (mm)
CFVAEMA	400	320	180

Paging

To Page all zones on the system pick up the microphone and press the button on the side, the green speak LED will light and speech can commence, if the Yellow Busy light lights then another microphone at the same or higher priority is already accessing the system and you are not allowed to broadcast.

Messages

To broadcast a message to all zones, simply press the message button required, the LED beside the button will light indicating you have started the message broadcast. All messages from the panel latch and must be cancelled by pressing the Black cancel button, the LED for the selected message will extinguish immediately, however the message will run to the end of the current cycle.

Catalogue numbers

Description	Code
Emergency microphone all call	CFVAEMA

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