

## WALL MOUNT EMERGENCY MICROPHONE

- EN54-16 COMPLIANT - VISUAL AND AUDIBLE INDICATORS
- 0, 10, 20 OR 50 SELECTION BUTTONS
- WALL-MOUNTED / LOCKABLE ENCLOSURE
- RUGGED FIST MICROPHONE
- CONNECTIVITY OPTIONS: SERIAL & ANALOGUE
- SUPPORTS HARDWARE BYPASS OPERATION
- POWER OPTIONS: 24V DC OR POE



### OVERVIEW

The EMS is a range of an emergency microphone stations with varying mechanical buttons that adheres to EN 54-16 standards, enabling live and pre-recorded message broadcasting.

Encased in a durable wall-mounting box, the rugged microphones come equipped with a graphic LCD display and various indicators such as 'Power', 'Voice Alarm', 'System Fault', 'Fault', and 'Speak Now'. The LCD display enables remote access to the active fault list in the PAVA system, while the control keys mandated by EN 54 facilitate navigation through the list of faults. Furthermore, these keys allow remote fault acceptance and clearance.

All microphones in this series come with EN54 compliant emergency functions and meet all EN54-16 mandatory indicators and controls. The EMS01 model has no additional buttons and is an all-call version. The EMS10 offers the capability to select from 10 buttons, while the EMS20 offers the option of 20 buttons. The EMS50 is made up of an EMS20 unit and an EMX30 expansion unit adding an additional 30 buttons.

The microphone has dual hosting support, allowing for direct connection to one or two ASL audio routers, thereby enhancing system availability. In case of processor failure, the microphone can operate in All-Call hardware bypass fall-back mode, provided it is configured and cabled appropriately. In addition to the two analogue ports, an Ethernet IP interface is available for VoIP-based connectivity. This interface supports POE.

The ASL audio router continuously monitors all interconnect cabling and the microphone capsule for open and short circuits, which are reported.

The enclosure offers knock-outs to provide top, bottom, and rear cable entry points. A set of terminals on the inside rear panel of the back box provides field connections.

All EMS models are compatible with the entire range of ASL Voice Alarm and Public Address systems.

### VIPEDIA-12-NET Features

- Live Paging
- Store and Forward Paging
- Volume Control
- Fixed Route Button
- Zone Selectable Route Button
- EN54 Mandatory Indications



## SPECIFICATION

### Power Supply

Input Voltage.....	15 - 40 V DC or PoE (42 – 57 V DC)
Current Consumption @ 24V (nom.- sounder & LEDs off)	
EMS01 .....	90mA
EMS10 .....	95mA
EMS20 .....	100mA
EMS50 .....	115mA
Current Consumption @ 24V (max. - sounder & LEDs on)	
EMS01 .....	165mA
EMS10 .....	220mA
EMS20 .....	275mA
EMS50 .....	440mA

### Microphone

Microphone ..... fist with built-in PTT button

### Mechanical Push-Buttons

EMS01 .....	0
EMS10 .....	10
EMS20 .....	20
EMS50 .....	50

### Analogue ASL PAVA System Connection

Audio.... Dual Analogue Balanced Audio/0dBu nominal/220Ω  
 Control Data..... EIA RS485 / 19200 baud  
 Hardware Bypass Interface..... 2 x PTT & 2 x Speak Now  
 Listen In Input ..... Single Analogue Balanced Audio

### IP ASL PAVA System Connection (Not EN54 Compliant)

Connection..... 1 x 100BASE-T Ethernet (RJ45)  
 Audio Format ..... ASL PMC Compliant VoIP  
 Listen In Input ..... Single ASL PMC VoIP

### General

LCD Display ..... 128 x 64 pixels / 58 mm x 29 mm view area

### Mechanical

Dimensions (H x W x D mm)	
EMS01/10/20 .....	402.4 x 344 x 95mm
EMS50 (EMS20 + EMX30) .....	660.8 x 344 x 95mm
Weight	
EMS01 .....	5.8kg
EMS10 .....	6.0kg
EMS20 .....	6.2kg
EMX30 .....	2.9kg
EMS50 .....	9.1kg
Lockable Enclosure .....	.Yes
Format .....	Wall Mounting Metal Box / Red RAL3020
Cable Entry Knock-outs .....	20 mm

### Environmental

Temperature (Storage).....	-20 °C to +55 °C
Temperature (Operation).....	-10 °C to +55 °C
Humidity Range.....	0% to 95% non-condensing
IP Rating .....	IP30

### Compliance

Emergency ..... EN 54-16, ISO 7240-16 & BS 5839-8

### Compatibility

Audio Routers .....VIPEDIA Range, INTEGRA Range  
 VIPA.....iVENCS Range & VIPA-WS

## PRODUCT PART CODES

EMS01 .....	Emergency Microphone / Analogue + IP / Fist Mic / 1 Button
EMS10 .....	Emergency Microphone / Analogue + IP / Fist Mic / 10 Buttons
EMS20 .....	Emergency Microphone / Analogue + IP / Fist Mic / 20 Buttons
EMS50 .....	Emergency Microphone / Analogue + IP / Fist Mic / 50 Buttons
EMX30 .....	Emergency Microphone Expansion Module / 30 Buttons



This equipment is designed and manufactured to conform to the following EU Directives:

Electromagnetic Compatibility (EMC):	2014/30/EU
Low Voltage:	2014/35/EU
Restriction of Hazardous Substances (RoHS):	2011/65/EU

### Manufacturer:

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Assessed to ISO 9001

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