

# EST-DMS

## Zone microphone

### Overview

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This zone microphone is used to activate general public announcements, to choose individual zones and to broadcast live voice messages. It can be connected directly to a selected Control Unit or via an additional Ethernet switch. A zone microphone can be powered locally (48 V) or from a Control Unit via POE.

It is equipped with programmable function keys which can be used to assign functions as required. All operational parameters can be programmed e.g. assignment of zones to various keys, naming of zones and zone groups, determining priorities, setting up access rights to announcements, volume controls, 'push to talk' key, music on/off and music routing. Furthermore, LEDs on the EST-DMS provide information about existing fault on the system, any faults in a specific speaker zone, evacuation mode on and type of announcement in the zone (BGM, PA, EVAC, Warning, fireman microphone).

Up to 5 EST-EKB-20M keyboard extensions with additional function keys can be attached to a zone microphone.

Similarly to a fireman microphone, it is also equipped with an intercom function and is able to communicate with other microphones in the system.



### Details

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- Monitored connection of the unit to the system
- 9 fully-programmable keys with a possibility of connecting up to five 20-key extensions
- 4 non-symmetrical audio inputs, (1/8") stereo jack connector
- Built-in speaker
- Stereo jack sockets for a headset
- Implemented intercom function
- Power supply via POE

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### Technical specifications

#### Electrical

Power supply	via PoE (RJ45) or by additional 48 V power supply / 15 W DC connector 5.5 / 2.1 mm
Number of outputs	2 channel audio (monitor speaker, headset)
Number of inputs	4 channels (single-ended input bgm)

#### Physical

Physical dimensions	120 x 55 x 210 mm (W x H x D)
Net weight	1.4 kg

#### Environmental

Operating temperature	-8°C to +60°C
Storage temperature	-20°C to +70°C
IP rating	31
Operating humidity	15% to 80%
Storage humidity	5% to 95%

#### Standards & regulation

Standards	EN54-16
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#### Listening speaker

Output	0,5 W
SPL	78 dBA (at 1 m, 1 W)
Frequency response (3 dB)	450 Hz ... 8 kHz
Output for headphones (headset)	mini-jack 3.5 mm

#### Audio Inputs

Input type	single-ended, 4x bgm
Frequency response	50 Hz ... 18 kHz (at 3 dB)
ADC resolution	32 bit
Sampling frequency	48 kHz
Connector	2x mini-jack 3.5 mm

#### Microphone input

Input, connector type	balanced inputs, XLR
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#### Condenser microphone, gooseneck

Frequency response	100 Hz ... 10 kHz
Sensitivity	-45 dB

#### Keyboard and controls

Number of keys	9 + PTT
Additional three normative controls	power – green / failure – yellow / activity – green
LED colors	RGB (red, green, yellow, blue)

