

# ABT-DFMS

EN 54-16

## Fireman Microphone



- ✓ *Monitored microphone and connection of the microphone module to the system*
- ✓ *Dedicated evacuation button*
- ✓ *Three fully programmable buttons and a possibility of connecting up to five 20-button extensions*

A MULTIVES fireman microphone ABT-DFMS is a monitored external device cooperating with control units in a redundant communication ring. It can thereby perform a superior function of a system control unit, too.

A fireman microphone is used to induce alarm announcements as well as general announcements, to choose individual zones and to broadcast live voice announcements. It is equipped with programmable function buttons with the help of which functions chosen may be arbitrarily assigned. Up to five ABT-EKB-20M extensions with additional function buttons may be attached to a fireman microphone.

A CPU switch enables immediate and direct broadcasting of announcements to all zones without any involvement of the control system (even during a failure of the central processor). The microphone is able to automatically detect a button failure and an audio path to the microphone capsule.

A fireman microphone is also equipped with an intercom function and is able to communicate with each other microphone in the system.

## CHARACTERISTICS

- › *Built-in 2 contact inputs and 2 relay outputs*
- › *POE or external feeder based power supply*
- › *Black-box function – recording all announcements played back during an alarm*
- › *Built-in SFP modules and CAT5e for simplicity of implementation of the loop topology*
- › *RS 485 for communication with external systems*
- › *Intercom function between all fireman and zone microphones*

<b>ABT-DFMS</b>	
Power source	via LAN PoE or local power supply complies with EN 54-4
Input voltage	48 V connector 2 pin screw 5.08 mm
Power consumption	max 266 mA for 48 V DC / 5 keyboard extensions
Degree of protection	31
Transmission medium	fiber, UTP Cat. 5e
Number of parametric inputs	2
Number of relay outputs	2
Connector type for logic input/output	screw 3.5mm, 6 pin
Type of fiber optic	modules type SFP / connector SC / LC / multimode or single-mode / E 30 or E 90, OM lub OM2,
<b>Listening speaker</b>	
Output	0,5 W
SPL	78 dBA (@1m, 1W)
Frequency response (3dB)	450 Hz ... 8 kHz
<b>Audio input</b>	
Frequency response	400 Hz – 6 kHz (@3dB)
Impedance	500 Ω
Signal	-40 to 30 dBu
Sensitivity	-66 dB
Cable type, length	spiral - 1,5 m
Microphone connector	5 pin DIN
<b>Keyboard and controls</b>	
Number of buttons	3
Number of control panel buttons	2 LED / button
Dimensions of the buttons description	15x25 mm
Three normative LED controls	color LEDs: power – green / failure – yellow / alarm – red
<b>Logic Input / Output</b>	
Number of I / O logic	2 independent channels; galvanically isolated; each channel has 1 fully programmable input and output (NO / NC)
Parametric input source for monitor mode	passive; standard resistors 10 k    10 kΩ or 4,7 kΩ - - 4,7 kΩ detection thresholds 0/1 / open / set in the application configuration
Type of socket I / O logic	6-pin screw terminal type PHOENIX, 3.5 mm
CPU-OFF switch	slide switch, two position, signaling LED color: yellow
<b>Other parameters</b>	
Operating temperature	0°C to 60°C
Operating humidity	15% to 80%
Storage temperature	-20°C to 70°C
Storage humidity	5% to 95%
Dimensions	150 (W) x 55 (H) x 210 (D) mm
Accessories	connector with screw terminals 6 pins, the distance between the partitions 5.08 mm