ABT-DFMS-A PP

EN 54-16

PLATFORM ANNOUNCEMENT POINT

✓ *Monitored microphone and connection*

✓ *Dedicated evacuation button*

✓ *Three fully programmable buttons*

✓ *IP 65 housing*

✓ *Lock with double-bit insert-5 mm*

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The ABT-DFMS-A PP is a monitored emergency microphone unit designed to operate a platform announcement point.

The device connects to the core paging system via TCP/IP network, using either copper or redundant fibre optic interface.

The ABT-DFMS-A PP can be used to make live broadcasts to pre-programmed zones or zone groups. It shall also allow to trigger alarm mode and broadcast pre-recorded messages from the systems memory.

The ABT-DFMS-A PP is able to detect and report a button failure and audio path failure, including that of the microphone capsule (the unit supports acoustic surveillance of the microphone component).

The ABT-DFMS-A PP is equipped with an intercom function, allowing to communicate with other emergency microphones in the system.

CHARACTERISTICS

» *Built-in 2 contact inputs and 2 relay outputs*

» *POE or external power supply*

» *Black-box function – recording all announcements played back during an alarm*

» *IP 65 housing*

» *Both copper and fiber optic TCP/IP interface*

	ABT-DFMS-A PP
Power source	via LAN PoE or local power
Input voltage	48 V connector 2 pin screw 5.08 mm
Power consumption	max 266 mA for 48 V DC
Degree of protection	IP65
Transmission medium	fiber, UTP Cat. 5e
Number of parametric inputs	2
Number of relay outputs	2
Connector type for logic input/output	screw 3.5 mm, 6 pin
Type of fiber optic	modules type SFP / connector SC / LC / multimode or single-mode / E 30 or E 90, OM lub OM2
Listening speaker	
Output	0,5 W
SPL	78 dBA (@1m, 1W)
Frequency response (3 dB)	450 Hz … 8 kHz
Audio input	
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
Keyboard and controls	
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
Logic Input / Output	
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
Other parameters	
Operating temperature	0°C to 55°C
Operating humidity	15% to 80%
Storage temperature	-20°C to 70°C
Storage humidity	5% to 95%
Dimensions	400 (W) x 300 (H) x 150 (D) mm
Accessories	connector with screw terminals 6 pins, the distance between the partitions 5.08 mm