AUTROVOICE FIREMAN MICROPHONE PANEL ABT-DFMS-AFS

Voice alarm system
Product Datasheet

AutroVoice Fireman Microphone Panel ABT-DFMS-AFS

- Houses the fireman microphone AutroVoice Multives ABT-DFMS
- In-wall mounting
- Transparent panel door with key for easy access to microphone
- Dedicated red evacuation button
- Three fully programmable buttons
- Monitored microphone and connection of the microphone module to the system

The AutroVoice Fireman Microphone Panel ABT-DFMS-AFS houses the AutroVoice Multives ABT-DFMS Fireman Microphone. The unit 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.

The 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.

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.

The fireman microphone is also equipped with an intercom function and is able to communicate with each other micro-phone 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
- EN 54-16

CE

1488-CPR-0620/W

Part number	Description
116-ABT-DFMS-AFS	AutroVoice Fireman Microphone Panel

Technical specifications	ABT-DFMS-AFS
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	IP 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 or OM2
Listening speaker	
Output	0,5 W
SPL	78 dBA (@1m, 1W)
Frequency response (3dB)	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 60°C
Operating humidity	15% to 80%
Storage temperature	-20°C to 70°C
Storage humidity	5% to 95%
Dimensions (WxHxD)	Panel: 347 x 195 x 125 mm, Cut-out dimensions for in wall mounted box: 320 x 170 x 80 mm