

FMS1 All-Call Fireman's Microphone Station



The FMS1 Fireman's Microphone Station is housed in a lockable wall-mounting box. It is designed to work with the whole range of ASL Voice Alarm and Public Address systems, and is used for making All-Call emergency announcements to entire facilities. The unit features indicators for 'Busy', 'Speak Now', and 'Status' indicator.

The FMS1 will operate in an All-Call mode even in the event of processor failure within the Router¹ as required by BS5839 Pt.8. The unit should be connected to Router's inputs 1 or 2, which operate in the All-Call failsafe override mode in the event of processor failure.

Hardwired connections to the Fireman's Microphone Station interface all LEDs and switches to the Router, while microphone audio is provided as a balanced 0 dBu (nominal) analogue signal. The FMS1 features a built-in signal limiter to accommodate varying operator technique. The microphone's processor is also responsible for generating an outgoing 20 Hz surveillance tone which is used to monitor the audio connection to the Router, while microphone capsule monitoring is performed by injection and monitoring of a signal such that either open or short circuit of the capsule or associated wiring will indicate a fault.

Hardwired connections are provided for both the PTT switch and Speak Now LEDs. This cabling is continuously monitored by the Router for open and short circuits.

Top and bottom cable entry points are provided, and fitted with removable metal blanking plugs. Rear cable entry is also catered for by means of 'knock-outs' in the rear of the box.

Field connections are provided on the inside rear panel of the back box by DIN rail mounted terminals.

For further details, and for information on other products, please visit www.asl-control.co.uk.

¹ The Router can be either an ASL rack mounted or a wall mounted Voice Alarm and Public Address system:

- Rack mounted system: VAR4, VAR12, VAR20, VAR8, or VAR8-ACU
- Wall mounted system: DAU (Distributed Amplifier Unit), or ACU (Audio Control Unit)

SPECIFICATION

General

Supply Voltage Range 18 – 40 V DC
Current Consumption
Max., all LEDs on 125 mA @ 24 V DC supply
Quiescent 110 mA @ 24 V DC supply
Audio Output 0 dBu balanced (nominal)
Output Impedance 66 Ω
Surveillance Tone 20 Hz
Microphone Control Data EIA RS485 / 19200 baud
Fire Microphone Facility BS5839 Pt 8 compliant
Microphone Fist
Buttons PTT button on fist microphone
acts as All Call select button
LEDs Zone Busy
Speak Now (twin)
Status
Colour Red RAL3020

Dimensions and Weight

Dimensions (H x W x D) ... 300 mm x 350 mm x 88.5 mm
(excluding handle)
Top and Bottom Cable Entry Hole 1 x 25 mm \varnothing
2 x 20 mm \varnothing
Rear Knock-out Diameters 2 x 20.5 mm \varnothing
Fixing Holes 4 x 9 mm \varnothing
Weight 5.7 kg

Environmental

Temperature (Storage and Operating) -5 °C to +50 °C
Humidity Range 0% to 93% Non-condensing

EMC

EN61000-4-3 (80 MHz to 1 GHz) /
EN61000-4-6 (0.15 MHz to 80 MHz) ITU/R 562-3
Impairment level 3
In the close proximity to some radio frequency
transmitters,
the signal to noise ratio of this system may be reduced.
If this occurs, ensure adequate system RF earthing or
re-locate the equipment or signal cables.
Full performance information available on request



This equipment is designed and manufactured to conform to the following EC standards:

EMC EN55103-1/E1, EN55103-2/E5, EN50121-4, ENV50204, ENV61000-4-13

Safety EN60065

This product is RoHS compliant.

Manufacturer

Application Solutions (Safety and Security) Ltd.

Unit 17 - Cliffe Industrial Estate - Lewes - East Sussex - BN8 6JL - U.K.

Tel: +44(0)1273 405411 Fax: +44(0)1273 405415

www.asl-control.co.uk



QUALITY ASSURED FIRM
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