The EAP01 Emergency Announcement Point is housed in an IP65 vandal resistant, lockable wall-mounting box. It is designed to work with the whole range of ASL Voice Alarm and Public Address systems, and is normally used for making All-Call emergency announcements to entire facilities. The unit features indicators for 'Busy', 'Speak Now', and 'System Fault', together with a 'Status' indicator.

The EAP01 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 Emergency Announcement Point interface all LEDs and switches to the Router, while microphone audio is provided as a balanced 0 dBu (nominal) analogue signal. The EAP01 features a built-in signal limiter to accommodate varying operator technique. The microphone's processor is 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 the PTT switch, and Speak Now and System Fault LEDs. The cabling to the PTT switch and Speak Now LEDs is continuously monitored by the Router for open and short circuits. 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.

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
System Fault (twin)
Colour ....Red RAL3020

Dimensions and Weight

Dimensions (H x W x D) .500 mm x 150 mm x 151.5 mm
Weight .... 10.4 kg

Environmental

Temperature (storage and operating) ..... −5 °C to +50 °C
Humidity Range .... 0% to 93% Non-condensing
Ingress Protection IP65
With door closed, and back box fixing and
cable entry holes sealed

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

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