

ZEC20 / ZPC20 20 Zone Emergency and Paging Microphone Consoles



Description

The ZEC20 and ZPC20 are robust desk consoles that are designed to work with the whole range of ASL Voice Alarm and Public Address systems. They are typically used for emergency (ZEC20) and general paging (ZPC20) applications.

An in-built signal limiting automatic gain control is provided to help compensate for varying operator technique.

A processor within the Paging Microphone interfaces all LEDs and switches to the DSP Router by means of a serial interface, while microphone audio is provided as a balanced 0dBu (nominal) analogue signal. All connections are provided through CAT5 cabling terminated with an RJ45 connector.

The microphone's processor is also responsible for generating an outgoing low-frequency surveillance tone which is used to monitor the audio connection to the VAR 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.

The ZEC20 console has the facility to act as a 'Fire Microphone' and will operate in an all-call mode even in the event of processor failure within the router, as required by BS 5839 Pt 8. In this instance, the 'All Call Only' LEDs will illuminate to indicate the restricted function.

A multi-pole connector provides field connections.

For further details please refer to the ZEC20 / ZPC20 product manual and the DSP Router manual.

Specification

General

Supply voltage range.....	18 – 40V DC
Current consumption (max. all LEDs on)	250mA @ 24V DC supply
Fire microphone facility (BS5839 compliance).....	ZEC20
Format	Desktop console – Metal case
Microphone.....	Gooseneck
Zone select buttons	20 can also control routes or DVAs ZPC20, if microphone is connected to Router inputs 1 or 2
Other buttons.....	PTT button
LEDs.....	2 Zone Select LEDs per zone button (zone Busy and zone Selected) Speak Now (twin) All Call Only (twin) System Fault Power
Microphone speech level meter	Five LED bargraph
Colour	Black with silver annotation

Dimensions and Weight

Dimensions (H x W x D).....	81mm x 450mm x 182mm (excl. gooseneck and connectors)
Weight	3.7kg

Environmental

Temperature (storage and operating)	-5°C to +50°C
Humidity range	0% to 93% Non-condensing
Waterproofing.....	IP55



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

EMC EN 50121-4

Safety EN 60065

Failure to use the equipment in the manner described in the product literature will invalidate the warranty.

A 'Declaration of Conformity' statement to the above standards, and a list of auxiliary equipment used for compliance verification, is available on request.

Manufacturer

Application Solutions Limited

Head Office: The Riverside Centre - Railway Lane
Lewes - East Sussex - BN7 2AQ - UK

Tel: +44(0)1273 476608 Fax: +44(0)1273 478888

Voice Alarm Direct: Tel: +44(0)1273 405411 Fax: +44(0)1273 405415

www.asl-electronics.co.uk



QUALITY ASSURED FIRM
CERTIFICATE NUMBER 96-LON-AQ-041

All rights reserved.

Information contained in this document is believed to be accurate, however no representation or warranty is given and Application Solutions Limited assumes no liability with respect to the accuracy of such information.