

VRMS04

Rugged Microphone Station

- Rugged Microphone Console
- Stainless Steel Body
- Vandal Resistant
- Four Zone Select Buttons
- Protected Button Label
- Speech Level 'VU' Bargraph
- Fully Monitored



The VRMS04 Rugged Microphone Station comprises a flush mount console with a flexible gooseneck microphone, and is designed to be flush mounted within a desk or console. It is designed to work with the whole range of Application Solutions Public Address and Voice Alarm Systems.

The microphone's construction is of a vandal resistant rugged stainless steel console, with abuse resistant buttons. The microphone body is IP65 rated.

Four zone selection switches are provided, each having a 'Busy' LED and a 'Select' LED with button annotation provided behind a sturdy glass window. A single 'Press To Talk' switch and associated 'Speak Now' LED are also provided.

An in-built signal limiting automatic gain control is provided to help compensate for varying operator technique, while a voice level bargraph is provided to help users to talk at the required level.

A processor within the Microphone interfaces all LEDs and switches to the Public Address and Voice Alarm System by means of a serial interface, while microphone audio is provided as a balanced 0 dBu (nominal) analogue signal. All connections are provided through Cat5 STP 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, 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.

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

SPECIFICATION

General

Power Supply 18V to 48V DC
Current Consumption
Min..... 98mA @ 24V DC supply
Max..... 152mA @ 24V DC supply
Format..... Flush mounted within a desk or console
Colour..... Brushed steel with black annotation
Microphone Gooseneck with cardioid response

User Interface

Buttons PTT, 4 * Zone Select Buttons
All buttons are abuse resistant
General Indicators 2 Indicators
Speak Now Indication (1 LED)
Microphone Speech Level Bargraph (5 LEDs)
Zone Button Indicators 2 Indicators per Button
Zone Busy (1 LED per Button)
Zone Selected (1 LED per Button)

Installation Connections

Position On Microphone Underside
Router Connections 1 port / RJ45
Audio Out 0dBu balanced (nominal) / 66R
Control Data EIA RS485 / 38400 baud

Environmental

Temperature Range
Operating..... -5°C to +40°C
Storage -5°C to +50°C
Humidity Range 0% to 93%
(Non-condensing)
Ingress Protection EN 60529 IP65
(When mounted in Console, except for Gooseneck)

Mechanical

Dimensions (H x W x D) 50mm x 247mm x 157mm
(Excluding Gooseneck Mic.)
Weight..... 1.8kg



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

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

Safety: EN60065

Manufacturer

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