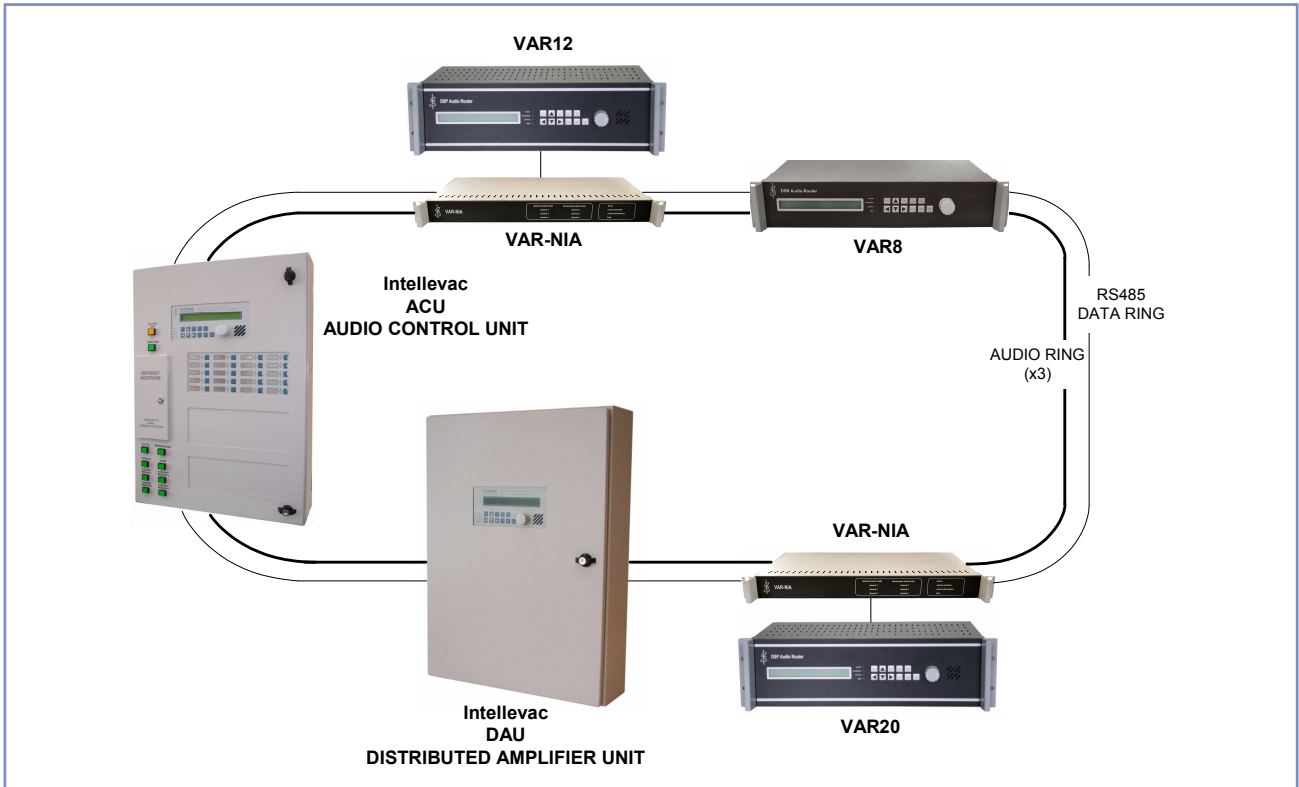# VAR-NIA
# Network Interface Adapter



## DESCRIPTION

The VAR Router Network Interface Adapter (VAR-NIA) is a rack mount Network Interface Unit, which allows VAR12 and VAR20 Routers to be interfaced to an Intellevac Voice Alarm Network in compliance to BS5839. The VAR Router controlled zones may then be paged from the system Audio Control Unit, or any paging or emergency microphone which is connected to it. DVAs initiated from the Audio Control Unit may also be played. The Audio Control Unit can be either the wall mount Intellevac ACU Audio Control Unit or the rack mount VAR8-ACU. The Intellevac Network is the BS5839 solution for large sites with rack systems in multiple equipment rooms.

In addition to enabling the operation of networked Voice Alarm system racks over multiple equipment rooms, the VAR-NIA is fully compatible with the Intellevac wall mounting Voice Alarm System, allowing hybrid system architectures, including both rack mount and wall mount units.

The VAR-NIA supports four separate fault tolerant network loops run in a single CAT5 cable. There are three analogue audio loops, where the audio originates from the Audio Control Unit and is bi-directionally propagated around the network. The fourth loop is a RS485 data loop, and is used to transmit control information from the Audio Control Unit to the rest of the network, and status information back to the Audio Control Unit. Both the audio and data network loops are tolerant to open and short circuit faults.

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

## NETWORK DIAGRAM



## SPECIFICATION

### General

| | |
|---|---|
| Supply Voltage Range | 18 – 40 V |
| Current Consumption @24V | 80 mA |
| Number of Audio Loops | 3 |
| Number of Data Loops | 1 |
| Data Rate | 38.4 kbaud |
| Standard | EIA RS485 |
| Distance between Nodes | 1 km (max.) |
| Colour | Black front panel with silver annotation |

### Dimensions and Weight

| | |
|---|---|
| Dimensions (H x W x D) | 42.30 mm x 436 mm x 220 mm (excl. connectors and handles) |
| Weight | 2.8 kg |

### Environmental

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

CE

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

EMC    EN55103-1/E2, EN55103-2/E5, EN50121-4, ENV50204, EN50130-4, EN61000-6-3, EN61000-6-2, EN55022

Safety   EN60065

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