

ViS-A (Vehicle Intercom System – Armoured)

A user-friendly 2 wire vehicle intercom system for use in harsh environments

Functionality

ViS-A is a lightweight, ruggedized, portable 2 wire voice communication equipment for use as vehicle intercom for armoured and military utility vehicles.

Area of Application

ViS-A is capable of working with a similar equipment without any interconnection box or configuration.



Features

- Push to Talk enabled handset.
- Both, LED and audio indication for incoming call.
- Operates on 12V/24V DC power input.
- Provision of Standard batteries (3 x 1.5 V, C-type).
- Internal Battery indication with LED.
- Ring Generation on pressing the Call Button.
- Ruggedized, weather proof as per MIL standards.

Design

- In accordance with military requirements for use in harsh environments.
- Simultaneous ring and voice from one to all connected ViS-A units.
- Provision for connecting H-350/U type handset.
- Designed to be used on dashboard or wall mounting (through additional fixtures).
- Metal housing to withstand extreme field conditions.

ViS-A (Vehicle Intercom System – Armoured)

Specifications

| Technical Data | |
|-------------------------|--|
| Handset / Headset Audio | MIL Grade H-350/U |
| DC Input | 12V/24V DC Interface 1.5 x3 = 4.5V DC (C type battery cell) |

| Electrical Data | |
|---|--|
| Transmission Length (Using standard field cable WD-1 or equivalent) | Up to 15 km |
| Incoming Ring Sense | > 18 V RMS, 25 ± 2 Hz |
| Incoming Ring Indication | Visual – LED Audio – Buzzer |
| Ringer Voltage Generation | 30-105V RMS , 25 Hz ± 2 Hz, continuous operation |
| Voltage Parameter | 12V/24V DC 4.5 V Internal Battery |

| Environment Data | |
|-----------------------|-----------------------|
| Operating Temperature | -30°C to +55°C |
| Storage Temperature | -40°C to +71°C |
| Relative Humidity | 95 % (+30°C to +60°C) |

| References | |
|--------------|-----------------------------------|
| MIL-STD-810G | Temperature and Mechanical Stress |
| MIL-STD-461E | EMI / EMC |
| EN-61000-4-2 | ESD |
| EN-61000-4-5 | Lightening |



| Reliability | |
|-------------|----------------|
| MTBF | > 100000 hours |

| Dimensions and Weight | |
|-----------------------|----------------|
| Height | 80 mm (± 2mm) |
| Width | 122 mm (± 2mm) |
| Length | 215 mm (± 2mm) |
| Weight | 1.8 kg (Max) |

ViS-A datasheet, DPAN002032 Rev. PA2
© ELCOM, 2025

This publication is not to be regarded as a complete system specification, or to be used as a contract document. We reserve the right to change the design or specifications without prior notice.

