



VAP01 Access Unit

Features

- Duplicated microphone transducers
- Monitored microphone voice coil
- Two pair interconnection cable
- High integrity life safety secure
- Totally rot-proof, long product life
- Early warning of system deterioration
- Easy installation, low cost, simple installation

Description

The VAP01 is a rugged corrosion proof microphone unit designed to allow public address/paging system access in external hostile climatic conditions.

The VAP01 can be supplied certified to provide safe operation in potentially explosive atmospheres and is ATEX certified accordingly.

The robust glass reinforced polyester enclosure is equipped with up to three push buttons. Up to two hyper-cardioid noise cancelling microphones are fitted behind a protective wire guard, which can be arranged to each drive, dedicated amplification and loudspeakers.

The VAP01 is equipped with a high performance line driver. The line driver enables the unit to be located remotely from the host loudspeaker amplification.

Automatic monitoring is included to supervise microphone voice coil, pre-amplification and critical paths to the central equipment.

The access unit VAP01 requires no local mains supply, the unit is energised by phantom power sourced from the host central equipment panel. The connectivity to the unit is via a twisted pair for either the VAP01-11 or VAP01-21 variants and two pairs for either the VAP01-12, VAP01-22, VAP01-13 or VAP01-23 variants.

Explosion protection

Ex protection
 ⓧ II 2G Ex ib IIC T4

Certificate
 ITS09ATEX26420

Technical Data

Mains supply
 Phantom powered DC 5 V

Current consumption
 approx. DC 20 mA

Output to line
 0 db (770 mV RMS)

Frequency response
 100 Hz to 10 kHz

Microphone
 Hyper-cardioid response
 noise cancelling type

Number of push buttons
 up to three push buttons

Dimensions
 260 mm wide
 159 mm high
 96 mm deep

Weight
 2.5 kg

Colour
 Black

Material enclosure
 GRP Glass re-enforced polyester

Gland entry
 2 x M20

Temperature
 -40 °C to +50 °C

Humidity
 Up to 100 %

Environmental rating
 IP66

Shock and vibration
 1 g