

Product DataSheet:

Safety Switch Box



The Voice Management Unit (VMU) is a rugged military equipment dedicated to managing audio communications between local and remote operators in terrestrial defense systems.

VMU is housed in a fully sealed box made of aluminum alloy of the 6000 series equipped with conductive anticorrosion treatment Surtec 650 and painted with waterborne polyurethane two-components coating

Fully qualified MIL-STD-810G and MIL-STD-461G, the Voice Management Unit is suitable for applications that require sure and reliable voice audio communication in military environment.

Internal electronic cards protected with conformal coating.

REACH, RoHS and CE marking compliance.

Key Specifications:

- Rugged military grade unit
- +28VDC input voltage
- Operative temperature range from -19°C to +71°C
- D38999 circular connectors on rear panel
- Sealed devices on front panel (Buzzer, lamps, lever switch, push button)
- Fully qualified MIL-STD-810F and MIL-STD-461F
- Capable of operating in harsh environment.
- REACH, RoHS and CE marking compliance
- Dimensions (h x l x d) 70 x 135 x 160 mm
- Weight 2,0 kg

INPUT POWER

+28VDC

INPUT / OUTPUT SIGNALS

Audio voice lines
PTT lines

OPERATING TEMPERATURE

From -19°C to +71°C

**ENVIRONMENT
PROTECTION**

Fully rugged

SHOCK & VIBRATION

Compliant to MIL-STD-810G
Vibrations for tactical and
Logistic Transportation
Method 514.7
Shock due to Missile Launch
Method 516.7

EMI

Compliant to MIL-STD-461G:
CE102, RE102, CS114,
CS116, RS101, RS103

HUMIDITY

MIL-STD-810G method 507.6

SALT FOG

MIL-STD-810G method 509.6

FUNGUS GROWTH

MIL-STD-810G method 508.7

EXPOSURE TO SAND

MIL-STD-810G method 510.5

EXPOSURE TO DUST

MIL-STD-810G method 510.6

**CONTAMINATION BY
FLUIDS**

MIL-STD-810G method 504.2

MTBF

127088 Hours as for
MIL-HDBK-217F
Ground Fixed at 30°C

INDICATORS

Power presence
External call presence

CONNECTOR

D38999 standard

DIMENSIONS (h x l x d)

70 x 135 x 160 mm

WEIGHT

2,0 Kg

COMPLIANCE

REACH, RoHS and CE
marking