

Univox[®] MLS-1

Super-compact and powerful hearing loop amplifier module for integration into small area communication systems



Features

- Super-compact and powerful loop amplifier
- Easy and fast installation
- Wide power supply voltage range
- Class D Tech - exceptionally high efficiency
- Galvanically isolated balanced input
- Ability to connect to Mic and Line level signals
- Dual Action AGC for unsurpassed intelligibility
- Metal loss correction – MLC

Univox MLS-1 is a compact yet powerful hearing loop amplifier module designed for a wide range of OEM applications, where a hearing loop solution is required. Developed on the efficient class-D technology platform, Univox MLS-1 is ideal for integration in systems requiring high energy efficiency and low heat generation.

MLS-1 can be easily integrated into small area communication systems, such as intercoms, emergency phones, information- and help points, kiosks etc. Equipped with a Univox' dual action AGC function, MLS-1 allows for simple connection to different input signal levels.

Univox MLS-1 features Metal Loss Compensation (MLC) which enables fine tuning and compensation for metal loss and attenuation effects.

A fully integrated, correctly installed MLS-1 system, complies with all the requirements of the IEC 60118-4 standard.

Common Applications

- Intercom systems
 - Elevators/lifts
 - Emergency phones
 - Customer service desks
 - Park booths and gates
 - Drive-throughs
 - Door entries
- Information- and help points
- Kiosk systems



Emergency Road Telephone

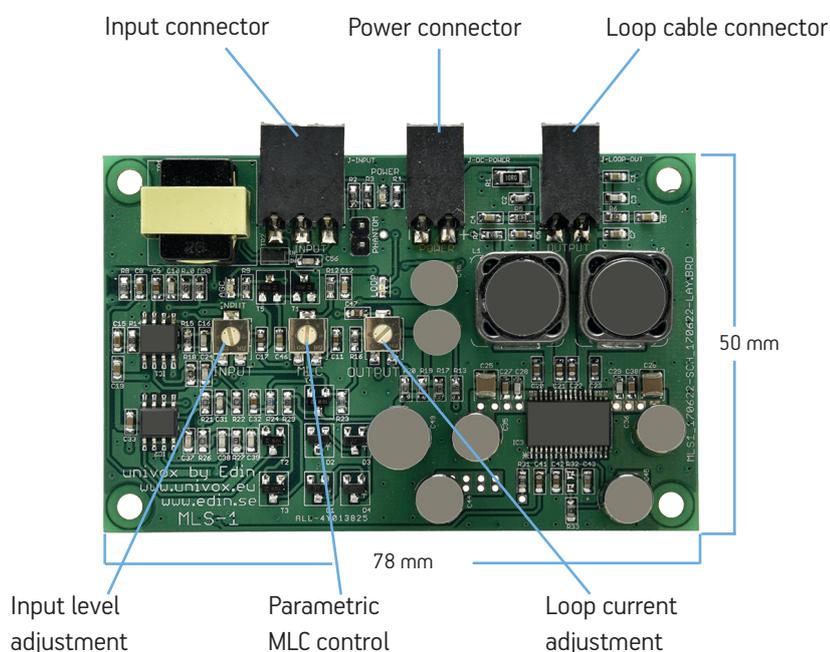


MTR Information Point

Technical data

Power supply	External Power supply 5-24V DC. System voltage 12V Power consumption Idle current 36mA@12V
Input	Galvanically isolated balanced input Mic/Line sensitivity 5mV-1.5Vrms, -45dBu - +5.7dBu Max input level 1.5Vrms, +5.7dBu Phantom Power 12 VDC Source impedance 0-2k Ω
Output	Max voltage 48Vpp Max current 5.3Arms Distortion <1%
Dual action AGC	Dynamic Range > 50-70dB (+1.5dB) Attack time 2-500ms, Release time: 0.5-20dB/s
LED indication	Power Input signal Output current
Dimensions	Width 50mm Length 78mm Height 16mm
Weight	35g
Environment	IP00 (PCB for integration) <90% relative humidity, temp range -30 to 75°C, loop load and case ventilation dependent
Part.nr	204000

Product overview



For additional information, please refer to User Guide/Installation Guide which can be downloaded from www.univox.eu.
If required, spare parts or other technical documents can be ordered at support@edin.se.

