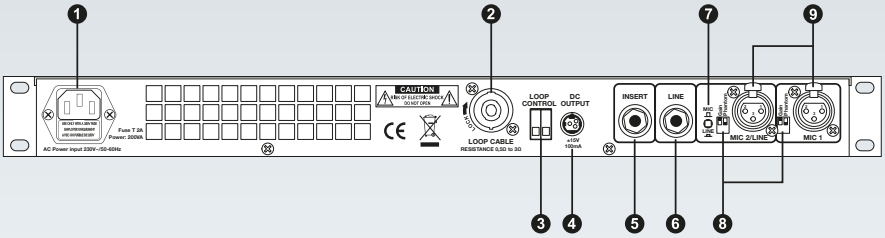
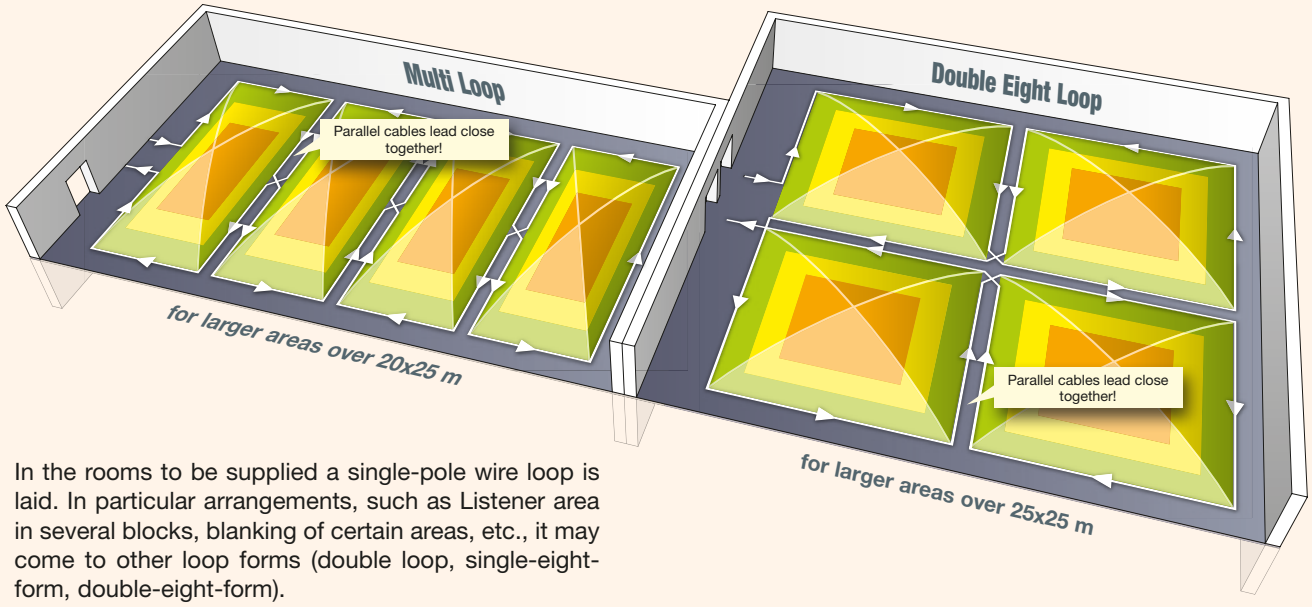
Rear view

1. AC power cord
2. Speakon® socket for connecting the loop cables
3. LOOP CONTROL, fault message output
4. DC output (phantom power)
5. Unbalanced audio signal Input for connecting external devices
6. Balanced audio signal input (LINE level 0 dB) to 1/4 „jack.
7. MIC / LINE Mode switch for microphone or LINE level
8. Switch / DIP switches for switching gain and phantom power
9. MIC1 and MIC2 / LINE inputs on XLR, balanced



Technical data	ISV-500 A
Compressor/Limiter	Automatic (3 dB to 33 dB)
Frequency range (amplifier/loop)	20Hz - 20.000 Hz; 80 Hz - 6.500 kHz (-1.5dB)
Distortion factor	Better than 0.25 %
Loop impedance	0.5 - 4.0 Ω
Cover area	approx. 1000 m² (depending on the loops)
RMS current (at 1 kHz)	9.4 A
Audio Inputs/Outputs	MIC 1, MIC 2 / LINE, balanced to XLR, INSERT, 0dB LINE Input to jack, unbalanced
Audio sensitivity (MIC/LINE)	-50 dB – -70 dB / 0 dB
Phantom power	switchable 24V DC (DIP-switch)
Info LOOP/AMP CONTROL	28V DC/2A, 125V AC/0.5A
AMP-LOOP-Output power (Pmax.)	180 W
Temperature monitoring (AMP)	system deactivation at 92 ° C, system activation at 60 ° C
Equalization-EQ (LF-EQ / HF-EQ)	+/-12 dB
Frequency correction on (LOOP-OUT)	MLC control
Protection circuits	current limitation (short circuit), over-temperature protection, “Soft-Start”, impedance measurement
Power supply / power	230 V AC - 50/60 Hz; 300 VA
Dimensions (WxHxD) / weight	443 mm x 44 mm x 200 mm; approx. 4,5 kg

EXAMPLE OF USE | Installation possibility of induction loops 300m² to 1.000m²



In the rooms to be supplied a single-pole wire loop is laid. In particular arrangements, such as Listener area in several blocks, blanking of certain areas, etc., it may come to other loop forms (double loop, single-eight-form, double-eight-form).

INDUCTION LOOP AMPLIFIERS up to 1.000 m²

WITH AUTOMATIC ADJUSTMENT

DIN EN 60118-4 IEC 118-4

up to 1.000 m²

MADE IN EUROPE

Description

The ISV-500 A represents a loop amplifier as a professional solution for the construction of induction loops. The automatic loop amplifier for audio frequencies is widely used to supply hearing aids with inductive audio signals.

Induction loop amplifiers are very common in churches, cinemas, theatres, outlets, bank counters, interpreters Systems or DRIVE IN / DRIVE-THROUGH used so that hearing aid wearer under heavy acoustic operations (background noise, reverberation, etc.) by the inductive coupling of hearing aids the useful signal (audio transmission) can hear much better without disturbing noises.

By transmitting an audio signal through the induction loop, an acceptable signal-to-noise ratio is achieved.

A purely acoustic, direct sound transmission (between loudspeaker and hearing aid) through reverberation and background noises considerably worsens the perception of the useful signal by the hearing device wearer..

Please consider the following features:

- Digital Automatic Audio Signal Compressor.
- Depending on the loop design, the coverage area is up to 1,000 m².
- Loop detector for automatic measurement and power matching to loop impedance.
- Equalization by 2-point LF / HF equalizer.
- „MLC“ control for frequency error correction.
- All controls are recessed and provide protection against incorrect operation.
- Equipped with protection circuit at short circuit, Overheating, Idle, and Overload.

★

RECEIVER | optional

Induction Loop Receiver

With the ISV-001 T receiver, a loop system can be quickly and easily checked or maintained. It is therefore particularly suitable for responsible personnel where induction transmission is installed.

It can be used as a pure audio receiver for the people whose hearing aid does not have a „T-position“ or for monitoring or controlling the field strength and quality of the transmission of the induction loop system.

Induction Loop Receiver, ... **ISV-001 T**
including headphones, dimensions (WxHxD): 67x90x25 mm

Model designation

Automatic Induction Loop Amplifier ..... **ISV-500 A**
For loop surfaces up to 1.000 square meters; 1 RU