



Univox[®] SLS-900

SLS Loop Amplifier, 600/1000VA, 600-1000m²

Features

- Driven by 600/1000VA toroid transformer
- Up to 600-1000m² (loop-figure dependent)
- Extremely high output current: 2 x 65/78App
- Short-circuit proof
- Automatic resettable fuse
- Three programmable XLR-inputs
- Dual Action AGC for high speech intelligibility
- Extremely low overspill
- Reduced direction sensitivity
- Reduced feedback risk
- No middle drop caused by reinforced concrete
- Low power consumption/high efficiency
- Suitable for new buildings/rebuilding of theatres, cinemas, conference halls, TV rooms in hospitals/elderly living, etc.
- Complete set with amplifiers, built-in filter and cables

Univox[®] SLS system is a fully balanced 2-layer loop system resulting in incredible smooth field strength even at high frequencies that are vital for speech intelligibility.

Univox[®] SLS – Super Loop System[®] is specifically designed for professional applications. Univox[®] grants for high quality wireless sound transmission to hearing instrument users in both public and private environment, worldwide.

SLS has almost cancelled overspill in all directions, consistent field distribution on all frequencies, transmission in vertical and horizontal directions. By controlling the 3D level makes it possible to comply with the IEC standard for standing and sitting positions or to cover a mobile seating section with different heights.

Conventional loops cannot comply with the new IEC 60118-4 standard for larger areas with reinforced concrete due to variable high frequency losses at different positions. Because the high frequency distribution is uneven it cannot be compensated with frequency adjustments (often called "metal correction"). Univox[®] SLS system is a fully balanced 2-layer loop system resulting in incredible consistent field strength even at high frequencies giving increased speech intelligibility. Furthermore the balanced field strength concept, as all balanced systems, minimizes normal interference problems with audio/video installations.

Univox[®] SLS system transmits in both horizontal and vertical directions whereas conventional loop systems transmits only in one direction. The listener can therefore tilt the head without any reduction of the audio level.

All together these technological details result in a reliable and predictable installation at any size with less limitation.

Univox[®] SLS-700/900 loop systems are extremely powerful and suitable for larger areas like theatres, cinemas, conference buildings, schools etc. Sometimes it is advisable with smaller local SLS-systems like SLS-100 XF or SLS-300 XF with extended frequency range. Univox[®] SLS fulfils IEC 60118-4.

Univox® SLS-900



Technical data

Mains power		230-240V AC 50Hz, 25-1400W, 10A group fuse required
Coverage area		600-1000m ² according to IEC 60118-4 depending on loopfiguration
Loop output	Max. current	2 x 65/78App, 1-5ms, 1kHz, 0.06Ω 2x25A RMS, 10-300ms 1kHz signal, 0.06Ω
	Max. voltage	47Vpp
	Output AGC	For voltage and current. If continous signals like self oscillations or sinus tones occur, the output level is reduced with approx. 10dB after 0.6-1 sec. Pulses and normal program signals are not reduced
	Frequency response	70-5,000Hz (±3dB)
	Distortion	<1%
	Connection	Loop wires are connected to two screw terminals (rear panel)
Inputs	Input 1-3	XLR-sockets, programmable, balanced/unbalanced, sensitivity, priority, phantom voltage
Line output	Line out	0dBv phono socket, rear panel. (Without AGC-function)
	SLS	0dBv phono socket, rear panel). (With AGC-function)
Dual action AGC	Working range	>70dB
	Attack time	2-500ms
	Release time	0.5-20dB/s
	Remark	Attack and decay times depends on which channel is active
Controls	Loop adjust	Master and Slave potentiometers (rear panel)
	Input level	IN1 and IN2 have separate input level potentiometers (rear panel)
Indications	Mains connection	LED, front panel, both units
	Input level indicator	3 LEDs, front panel on Master unit
	Loop current	5 LEDs, front panel, both units
Other	Dimensions	440x88x285mm (WxHxD) 19" rack mounting both units
	Weight	2 x 8/9.2kg
	Colour	Black
Output current control		The loop current is monitored by 5 LEDs at the front panel. Besides the optical indication the magnetic field from master and slave loop can be monitored by speaker/earphone connected to 6.35mm jack for each unit. An important and useful function for the system operator.
Part No	SLS-700	215700
	SLS-900	215900

Accessories – Part No and description

- 230450 Univox® Listener loop receiver/control device
- 230453 Univox® Listener loop receiver/control device, incl. light weight headphones
- 401010 Univox® FSM Field strength meter
- 401025 Univox® FSM Field strength meter, delivered in case with CD record



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