



Univox® CLS-5T

Compact Loop System for vehicles and TV-lounges. UN ECE R10 certified

Applications

- Vehicles; buses, taxis, trams
- Elevators
- Conference facilities
- Large TV Lounges

Features

- Vehicle standard UN ECE R10 certified
- Galvanically isolated balanced input
- Microphone/line inputs, including digital (optical/coax)
- 110-240VAC external switching power supply or 12-24VDC as primary power or backup
- Dual Action AGC (automatic gain control) for high speech intelligibility
- 24V output for external device connection
- MLC (Metal Loss Correction)
- Alert input
- Phantom power

Warning! When installing Univox CLS-5T in an application with a DC-power supply, if signal source is connected to IN 2, unbalanced RCA input, an FGA- 40HQ ground isolator (part.no: 286022) must be installed between the loop amplifier input and the signal source. If the signal source and the amplifier's input are not galvanically isolated, a serious error may occur.

The universal loop driver with digital input

Univox CLS-5T is a compact and powerful loop amplifier designed for wireless listening through T-coil equipped hearing devices.

With several input alternatives and a wide range of operating voltages, this high power loop amplifier is perfect on board vehicles as well as in large TV-lounges. The CLS-5T can operate from 110-240 VAC and 12-24 VDC, supporting its suitability for a diverse range of applications, from elevator/lift applications, buses and coaches to large TV-lounges and meeting rooms. A range of inputs, including digital and coaxial inputs, makes integration with any audio system simple.

Never miss a word!

Audio quality is significantly enhanced, eliminating modulation distortion at high power output. The audio chain incorporates also features such as the Metal Loss Correction, to fine tune for the effects of metal loss, and the unique Dual Action AGC (automatic gain control) that restores the audio instantly after noise suppression. CLS-5T features an alert input which can be activated by vehicles on-board alarm, or - if installed in a TV-lounge - a doorbell or a telephone.

CLS-5T is certified according to the UN ECE R10 automotive standard, and correctly installed provides compliance with all the requirements of IEC 60118-4

Note

1. The CLS-5T can cover over 200 m², however area coverage can be significantly reduced by the proximity and conductivity of metal in the same plane as the loop.
2. For lift installation the CLS-5T has sufficient power to drive a multi turn loop on the roof of a lift car eliminating the need for expensive internal loop fittings. A survey is advised.
3. Vehicle constructions are varied. A survey is advised.

Rear panel interface





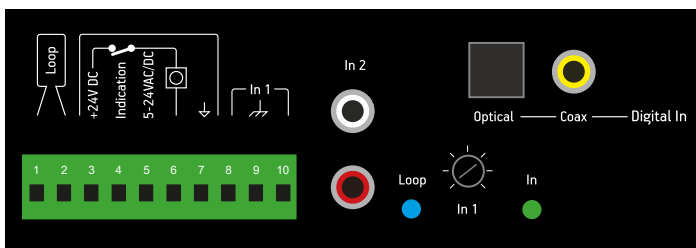
Technical data

Power supply	110-240 VAC, primary switching power supply 12-24 VDC as primary power or backup. 12 V will reduce the output	
Loop output	Max current	10 Arms
	Max voltage	24 Vpp
	Frequency range	55Hz to 9870Hz @ 1Ω + 100uH
	Distortion	1% @ 1Ω DC and 80μH
	Connection	Screw terminal
Inputs	IN1 (Phoenix Conector/Balanced Input/PIN8/10): 8mV–1100mV 1.1Vrms (RMS) /5kΩ	
	IN2 (RCA) Unbalanced Input: 15mV-3500mV 3.5Vrms (RMS) /5kΩ	
Dual Action AGC	Working range	>70 dB
	Attack time	2-500 ms
	Decay time	0,5-20 dB/s
Controls	Metal loss control	Treble control, 0 - +18 dB, internal control
	Loop adjustment	Potentiometer control
Indications	Power connected	Yellow LED
	Loop current	Blue LED
	Input signal	Green LED
Other	Dimensions	205x130x40mm (WxDxH)
	Weight	NET: 1.06kg GROSS: 1.22kg
	Colour	Black
	Part no	212060

Accessories

Part No	Description
241602	M-2, Goose neck microphone for table, 3.5mm plug, cable=1.5m
242401	13A Microphone for speaker, velco, 3.5mm male, cable=1.8m
581050	LM-90A, Tie clip microphone, 3.5 mm plug, cable=1.1 m
283240	Univox Room loop cable roll, 0.75 mm ² , incl. 50 clips, 30 m, light grey
285001	Label 1 "T-coil, set the hearing aid in T- or MT-mode", 140x188mm, paper
285021	Label with T symbol, 125 x 114 mm, self adhesive
285023	Label with T symbol, 80 x 73 mm, self adhesive
861017	Installation Cable EQQXB EASY 1x4x0.5, white, 100m bobbin
281031	Fiber optic audio cable, Toslink-Toslink, 2m
281033	Fiber optic audio cable, Toslink-Toslink, 1m
281061	SPDF/Toslink-splitter
283260	Loop mat, 600x600x4mm, black
589060	Coaxial cable, male, 1.5m

Side panel interface



The User Guide, Installation Guide and Certificate of Conformity are available at our website for download.
The brochure is based on the information available at the time of printing and are subject to change without notice.