HLD2 Hearing Loop Driver

The HLD2 is an innovative hearing loop driver designed especially for use with counter loop systems.

Features

- Microprocessor control
- Energy-saving "green" standby mode is achieving a power saving of up to 80% during quiet periods
- Advanced audio processing features Automatic Gain Control (AGC), compression, and noise gate
- Constant-current loop drive
- Continuous self-testing
- Isolated audio line input allows the driver to take alternative audio sources (optional)
- Power and LED status indication

Applications

For use in any situation where one to one communication takes place at a counter, booth or desk, such as:

- Banks
- Post offices
- Supermarkets
- Information centers
- Airports
- Libraries
- Ticket booths

Accessories

- IL-AE96 loop aerial
- IL-AE99 under the counter loop aerial
- M72 microphone
- M73 microphone
- M300 microphone

Standards

- CE, ROHS and WEEE compliant
- BS EN 60118-4, in correct installations

Contacta, Inc.

332 E. Lakewood Blvd
Holland, MI 49424
Phone: (616) 392-3400
Email: sales@contactainc.com

Physical Data

Dimensions	Height - 1.57″ Width - 4.57″ Length - 4.56″
Weight	0.26lbs
Construction	ABS Plastic Construction Housing
Finish	Matt Black, Fine Texture

Technical Data

Inputs	Input 1 (Microphone)	Screw terminals on 3.8mm 2 pole Phoenix connector. Single-ended electret microphone, powered by 5V via 2.2K ohms
	Input 2 (Line) (Optional)	Screw terminals on 3.8mm 2 pole Phoenix connector. Transformer isolated, 0dBu into 1K ohms, may have series resistance added for optional 75V or 100V line inputs
	Power	Center positive power jack, 14V DC 2A via 2.1mm from P55 power supply unit
Loop output	Loop connection	Screw terminals on 3.8mm 2 pole Phoenix connector
	Loop drive current	2A RMS compliance current @ 1Khz sine wave
	Loop drive voltage	4V RMS compliance voltage @ 1KHz sine wave
Audio	Frequency response	100 Hz – 5kHz (±3dB)
	Distortion	Better than -40dB, inputs at nominal level
Automatic Gain Control	Processor controlled	Dynamic range: 40dB typical Attack time: 10 milliseconds Release time: typically 10 seconds, varies with program content
Indications	Status LEDs	3 color LEDs indicate power, input and output diagnostic information Connection provided for our LED halo indicator microphone
Self Test	Microprocessor controlled	Unit, including microphone and loop connections is continuously monitored, and internal and external LED indicators are updated
Energy saving	Sound activated	Unit will enter low energy "standby mode" when acoustic conditions indicate lack of usage