

# HLD2

## Hearing Loop Driver



### PRODUCT INFORMATION

The HLD2 is an innovative hearing loop driver for use with counter loop systems or similar one-to-one situations. The HLD2 is designed to remain 'ON' continuously benefiting users so that they do not have to request assistance; Once inside the electromagnetic field of the loop aerial the user is automatically included as soon as they switch their hearing device to the T-Coil Program.

The HLD2 is ultra-efficient and converts to a "green" energy saving mode to save up to 80% during quiet periods.

The driver is sold in kits with your choice of microphone and loop aerial to fit every individual counter configuration.

#### 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

#### Checkout Counters



#### Libraries



#### Airports



### Additional Applications

- › Banks
- › Post offices
- › Supermarkets
- › Information centers
- › Ticket booths

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## Physical Data

Dimensions	Height - 1.57" Width - 4.57" Depth - 4.50"
Weight	0.26lbs
Construction	ABS Plastic Construction Housing
Finish	Matt Black, Fine Texture

## 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

## 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 the 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 ( $\pm 3$ dB)
	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 energy-saving "green" stand by mode when acoustic conditions indicate lack of usage