



HLD9

Our HLD9 is a pioneering modular hearing loop driver for perimeter or phased array configurations, suitable for large area applications such as theatres, conference facilities, sports arenas, concert halls and auditoria.

As a Class D driver, it manages power extremely efficiently meaning that it emits very little heat from its compact packaging.

To make the experience of using it as simple as possible, the driver includes sophisticated communication capabilities enabling remote set-up and control of levels, as well as system interrogation and performance monitoring.

Features

- Perimeter and 90° phase shifted (DSP controlled) amplifier output stages capable of delivering 10Arms @ 36Vrms
- Flexible configuration
- Efficient power utilisation
- Sleep mode
- High frequency compensation
- Continuous self-testing
- Accurate, lockable controls (front panel mounted)
- Input and drive level indication
- Intelligent protection system
- Flexible audio inputs
- Interface to external communication devices
- Digital Signal Processor

**HLD9-UK / HLD9-EU /
HLD9-AUS / HLD9-ETL-USJ**

Applications

Suitable for larger sized facilities such as:

- Theatres
- Concert halls
- Places of worship
- Sports arenas
- Conference facilities

Standards

- BS EN 55103-1: 2009 (EMC emissions)
- BS EN 55103-2: 2009 (EMC immunity)
- FCC class "B" EMC (emissions)
- ICES-003
- IEC 60118-4 (in correct installations)
- IEC 62489-1

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Physical Data

Dimensions	Height – 63mm (2.48") Width – 200mm (7.87") Depth – 266mm (10.47")
Weight (boxed incl. power supply)	2.5kg (5.51lbs)
Construction	Mild Steel
	Aluminium
Finish	Black Powder Coated



Technical Data

Inputs	Input 1 (microphone)	Balanced XLR with switchable phantom power or ¼" TRS jack for electret microphone with 12VDC power via 680Ω load
	Input 2 (line)	Balanced XLR or ¼" TRS jack to ohmically isolated input
Loop Output	Voltage	36Vrms (101.8Vpk-pk) @ 10Arms (28.2Apk-pk)*
	Current	10Arms (28.2Apk-pk) @ 1kHz sine wave*
	Loop Connector	4-pole speak ON connector
Expansion	Contacta interconnect	Input or output to or from additional Contacta systems 90° phase shift selectable
Status	Volt-free relay contacts	SPCO
Feature	External monitor & control	Contacta communications processor interface
Audio	Frequency response	100Hz - 5kHz (±3dB)
	Distortion	Better than -40dB, inputs at nominal level
Automatic Gain Control	Digitally controlled	Uses DSP technology
Controls	Microphone level	Off, then to maximum in 50 dB increments
	Line level	Off, then to maximum in 50 dB increments
	Loop current	Off, then to maximum in 63 dB increments
Displays	Microphone level	8 level bar graph with peak hold, 6dB steps
	Line level	8 level bar graph with peak hold, 6dB steps
	Output drive level	8 level bar graph with peak hold, 0.6A steps
	Other indications	LEDs for all setup and status indications

*Note 1: Z=3.6Ω (318uH + 1.64Ω @ 1.6KHz, Note 2: < 1%(-40dB distortion)