

HLD9

Hearing Loop Driver



CONTACTA LARGE AREA LOOP SYSTEMS

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

As a Class D driver, it manages power extremely efficiently and 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

- › Built-in 90° phase shift
- › Flexible configuration
- › Ultra efficient power utilization
- › 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 (DSP)

Applications

- › Theaters
- › Airports
- › Sports Arenas
- › Concert Halls
- › Places of Worship
- › Auditoriums


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Physical Data

Dimensions	Height – 2.48" Width – 7.87" Depth – 10.47"
Weight	5.51lbs with built in power supply unit
Construction/ Finish	Front & Rear: Mild Steel Top & Bottom: Aluminium Powder Coated Black

Accessories

- › RX-20 Loop Listener
- › Field Strength Meter (FSM)
- › Flat Copper Wire
- › Concrete Burial Cable
- › Single and Dual Rackmount Kit

Standards

- › FCC class "B" EMC (emissions)
- › IEC 60118-4:2006 (in correct installations)
- › BS EN 55103-1:2009 (EMC emissions)
- › BS EN 55103-2:2009 (EMC immunity)

Technical Data

Inputs	Input 1 (Microphone)	Balanced XLR with switchable phantom power or ¼" TRS jack for electret microphone with 3.3VDC power via 680Ω load
	Input 2 (Line)	Balanced XLR or ¼" TRS jack to ohmically isolated input
Loop output	Loop connection	4-pole speakON connector
	Loop drive current	10A RMS compliance current @ 1Khz sine wave
	Loop drive voltage	36V RMS compliance voltage
Expansion	Contacta interconnect	Input or output to or from additional Contacta products 90° phase shift selectable
Status	Volt-free relay contacts	SPCO
Feature	External monitor & control	Contacta communications processor interface
Audio	Frequency response	100 Hz – 5kHz (±3dB)
	Distortion	Better than -40dB, inputs at nominal level
Automatic Gain Control	Digital Signal Processor (DSP)	Dynamic range: 40dB typical, Attack time: 33 milliseconds, Release time: 3.6dB per second
Controls	Microphone level	Off, then to maximum in 50 1dB increments
	Line level	Off, then to maximum in 50 1dB increments
	Loop current	Off, then to maximum in 63 1dB increments