

# HLD7

## Hearing Loop Driver



### PRODUCT INFORMATION

The Contacta HLD7 is a modular hearing loop driver for perimeter or phased array configurations. It is designed for medium sized facilities such as; meeting rooms, lecture halls, places of worship and small theaters.

The ultra efficient management of power enables the unit to be extremely compact.

#### 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

#### Places of Worship



#### Convention/Conference Facilities



#### Lecture Halls



#### Additional Applications

- › Educational and government facilities
- › Retirement homes

  
contacta

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## Physical Data

Dimensions	Height - 1.75" Width - 7.87" Depth - 10.24"
Weight	3.26lbs
Construction/ Finish	Front & Rear: Mild Steel Top & Bottom: Aluminium Finish: 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 12VDC 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	6A RMS compliance current @ 1kHz sine wave
	Loop Drive Voltage	15V RMS compliance voltage
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	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
	High Frequency (HF) Compensation	Flat to 6dB boost in 7 increments
	Function switching	All functions selectable from front panel buttons, held in non-volatile memory
	Security	Controls may be locked against tampering
Display	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	LED's for all setup and status indications