

contacta .V15

Hearing Loop Driver



CONTACTA LARGE AREA LOOP SYSTEMS

The V15 is a highly efficient and compact hearing loop driver. It's a constant current perimeter hearing loop driver, suitable for medium sized venues.

The driver has a Class-D output stage and an audio subsystem built around an advanced Digital Signal Processing (DSP) core. Combined with a powerful CPU to ensure peak performance, the V15 uses cutting edge technology to achieve first-class speech and music reproduction.

Features

- › DSP Controlled Automatic Gain Control (AGC) and High Frequency Compensation for metal loss.
- › Integrated protection circuits with temperature, voltage, short circuit and DC detection
- › Class-D output stage capable of delivering 5A_{RMS} @ 15V_{RMS}
- › Energy efficient design
- › Sleep mode
- › True constant current output stage
- › Continuous self-testing
- › Simple user interface
- › Compact half-width 1RU chassis



Applications

- › Meeting & Conference Rooms
- › Lecture Halls & Classrooms
- › Reception & Waiting Areas
- › Places of Worship
- › Retirement Homes
- › Government Facilities

Voltage and Current

- › 15V RMS @ 5A RMS

Accessories

- › Rackmount Shelf/Ears/Wall Mount
- › Flat Copper Wire
- › RX20 Loop Listener
- › Field Strength Meter (FSM)

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Driver Area Coverage

Driver Area Coverage	Area		
	1:1	1:2	1:3
	1023 ft ²	1539 ft ²	1922 ft ²

All perimeter loop areas are calculated under the following conditions: Area at maximum driver current without voltage clipping at 1.6kHz * Loop designed to achieve 0dB in center of the area * calculated with 2.5cm x 0.01cm flat copper tape * loop cable installed on floor * listening plane 3.94ft.

Physical Data

Dimensions	Height - 1.65" Width - 7.80" Depth - 5.90" including control dial
Weight	2.06 lbs
Construction	Mild Steel
Finish	Black Powder Coated

Standards

- › BS EN 55103-1: 2009 (EMC emissions)
- › BS EN 55103-2: 2009 (EMC immunity)
- › FCC class "B" (EMC emissions)
- › ICES-003
- › UL Canada and US Power Supply using less than 100 watts

Technical Data

Power	100W 24Vdc 4.17A External PSU (PS-60) Class 6 External PSU (100V - 240V AC 50Hz - 60Hz)	
Inputs	1 X Line XLR or 3.81mm Euro-block [optimized for levels above -10dBV to 0dBV]	
	1 X Mic Level (12V phantom power via 680 Ohms [optimized for levels above -45dBV])	
	1 X DC Input	
Loop Output Characteristics	Output Voltage	15Vrms (42.3Vpk-pk) @ 5A _{RMS} (14.14Vpk-pk)*
	Output Current	5Arms (14.14Vpk-pk) up to 300 seconds*
	Loop Connector	5.08mm Euro-block
Audio System	Frequency Response	80Hz to 6.5kHz
	Distortion	THD+N <1% (-40dB) Full current both outputs driven
	AGC	Peak detecting
	HF Comp	7 optimized stages
Display & Control	Display	LED Backlit LCD display
	Control	Single rotary control

* Note 1: Z=30ohms (265.4uH + 1.37 Ohms @ 1.6kHz) Note 2: <1% (-40dB distortion)