



Configuration:

CLD1-CB Compact Loop Driver with Boundary Microphone

Product Overview:

The CLD1 Compact Loop Driver is designed for counter systems and small area perimeter loop systems. Measuring only 5 x 2.9 x 1.4 in. (128 x 74 x 35 mm) and with an output current of 2.4 A (RMS), the CLD1 is the smallest and highest performance amplifier in its class. Based on proven and highly reliable technology it is backed by a 5 year warranty and Listen technical support. The CLD1 offers certainty of performance and the lowest lifetime cost available.

Audio quality is ensured with metal loss correction (MLC) combined with usual high standards of design. The CLD1 is designed for flexibility and convenience, featuring two (2) separate microphone inputs with independent level controls, one of which can be configured as a line input. All cable connections are made on a single face of the unit, adding flexibility and further simplifying installation.

Highlights:

- Low lifetime cost
- 5 Year warranty
- Very compact
- Two (2) independent inputs featuring one (1) microphone input and one (1) switchable microphone/line input
- Metal loss compensation
- All connections to a single face for installation convenience

Includes:

- One (1) CLD1 Compact Loop Driver
- One (1) Q400 Boundary Microphone with Cardioid-Directional Pickup
- One (1) GE00001 Multi-Turn Preformed Loop for CDL1
- One (1) Handbook and Installation Instructions
- One (1) 12 VDC Power Supply (North America)

Product Specification: Compact Loop Driver with Boundary Microphone	
Audio	
Frequency Response	80 Hz to 6.5 kHz \pm 3 dB
Distortion	THD+N < 0.2 %, 1 kHz Sine Wave at Full Current
AGC	Optimized for Speech, Dynamic Range > 36 dB
Microphone Input	Unbalanced 3.5mm Mono Connector for Electret Micorphone, 6 VDC Bias
Line Input	Switchable Line/Microphone, Unbalanced 3.5mm Mono Connector
Controls	
Gain Control	Front recessed input level control
Metal Loss Correction	Correct system frequency response due to metal structures
Cooling	Natural Convection
Indicators	

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Drive Current Indication	Front Panel LED Indicates Current Peaks
Interconnections	
Loop Connector/s	Level Cable Clamp
Loop	
Perimeter Loop - Coverage	1:1 Aspect Ratio - 215 sq ft. (20 m ²), 2:1 Aspect Ratio - 323 sq ft. (30 m ²), 3:1 Aspect Ratio - 377 sq ft. (35 m ²) Condition 1 - Loop must be 3-6 ft. (1-2 m) above or below the receiver height, Condition 2 - There should be no metal structures in the plane of the loop, Condition 3 - There must be sufficient voltage to drive the loop
Power	
VOX Switching	To control prioritization of microphone 1 input
Compliance	UL Listed
Power	12 VDC, 1.0 A, 18 W, 45-65 Hz, Power Switch/Led on Front Panel
Drive Voltage	3.2 V (RMS), 4.5 V Peak at Maximum Output Current
Drive Current	2.4 A (RMS), 3.4 A Peak with 1 kHz Sine Wave
Drive Current Peaks	Short Term > 4.8 A
Physical	
Width	5.0 in. (128 mm)
Height	1.4 in. (35 mm)
Depth	2.9 in. (74 mm)
Shipping Weight	2.2 lbs. (998 g)
Mounting	Freestanding, Wall Mounting
Cable Length	10 AWG - Max distance at full current - 268 ft. (82 m), 14 AWG - Max distance at full current - 247 ft. (75 m), 18 AWG - Max distance at full current - 168 ft. (51 m), 22 AWG - Max distance at full current - 94 ft. (29 m), FB1.8 - Max distance at full current - 328 ft. (100 m)
Weight	1.0 lbs. (454 g)
Environmental	
Relative Humidity	IP20 Protection, 20 to 90% Relative Humidity, 32 F (0 C) to 95 F (35 C)