



Configuration:

ILD100DC Professional Loop Driver (3.4 Amps)

Product Overview:

The ILD100DC audio hearing loop driver is in a class of its own. This compact and stylish unit is capable of driving loop areas in excess of 2,150 sq. ft. (200 m²) with an unsurpassed clarity of sound for both music and speech for superior intelligibility. Based on proven and highly reliable technology it is backed by a full 5 year warranty and Listen technical support. All connections are plug and socket style for simple quick installation. Configuration VOX switching sets priorities for each input. Twin phono (RCA) inputs provide a simple interface to hi-fi systems and televisions. Available with a range of microphones, interface cables and accessories. Freestanding or wall mounted, the ILD100DC is the obvious choice for smaller installations such as video conference rooms, private homes, TV rooms, nursing homes, receptions and waiting rooms.

Highlights:

- Area coverage to 2,150 sqft. (200 m²)
- Low lifetime cost
- Excellent proven reliability
- 5 year warranty
- Unparalleled sound quality and intelligibility
- VOX Switching - configured to prioritize mic 1 input
- Built in tone control
- Very compact - 216 x 124 x 44mm
- 2 microphone inputs (electret)
- 1 line input - twin phono (RCA) connectors for TV / hi-fi connection
- Extensive input adaptors available for any audio input requirements

Includes:

- One (1) ILD100DC Professional Loop Driver (3.4 Amps)
- One (1) Handbook and Installation Instructions
- One (1) "T" Logo Installed Adhesive Sign - Large (11.7" x 8.3")
- One (1) 12 VDC Power Supply (North America)

Product Specification: Professional Loop Driver (3.4 Amps)	
Audio	
Frequency Response	80 Hz to 6.5 kHz ± 3 dB
Distortion	THD+N < 0.2 %, 1 kHz Sine Wave at Full Current
AGC	Optimized for Speech, Dynamic Range > 36 dB
Microphone Input	2 - 3.5mm Mono Connectors for Electret Micorphone, 12 VDC Phantom Power
Line Input	2 - Phono Connectors, Impedance 60 k Ohms each side, 20 k Ohms differential
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 -1,290 sq ft. (120 m ²), 2:1 Aspect Ratio - 1,615 sq ft. (150 m ²), 3:1 Aspect Ratio - 2,150 sq ft. (200 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, 1.2 A, 14.4 W, 45-65 Hz, Power Switch/Led on Front Panel
Drive Voltage	2.8 V (RMS), 4.0 V (Peak at Maximum Output Current)
Drive Current	3.2A (RMS), 4.5 A (Peak) with 1 kHz Sine Wave
Drive Current Peaks	Short Term > 6.2 A
Physical	
Width	4.9 in. (124 mm)
Height	1.7 in. (44 mm)
Depth	8.5 in. (220 mm)
Shipping Weight	4.2 lbs. (1.9 kg)
Mounting	Freestanding, Wall Mounting
Cable Length	10 AWG - Max distance at full current - 161 ft. (49 m), 14 AWG - Max distance at full current - 148 ft. (45 m), 18 AWG - Max distance at full current - 101 ft. (31 m), 22 AWG - Max distance at full current - 56 ft. (17 m), FB1.8 - Max distance at full current - 197 ft. (60 m)
Weight	2.9 lbs. (1.3 kg)
Environmental	
Relative Humidity	IP20 Protection, 20 to 90% Relative Humidity, 32 F (0 C) to 95 F (35 C)