



**Configuration:**

ILD300 Professional Loop Driver (4.9 Amps)

**Product Overview:**

The ILD300 is a compact (one-half RU) professional audio hearing loop driver capable of driving loop areas in excess of 4,500 sqft. (420 m<sup>2</sup>) 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 5 year warranty and Listen technical support. Improved power output provides outstanding value without compromise. It boasts all the usual features such as metal loss correction and is compatible with our unique Ultra-low Spill™ technology. The ILD300 is a compact and elegant unit suitable for freestanding, wall mounting or rack mounting.

**Highlights:**

- Area coverage to 4,500 sqft. (420 m<sup>2</sup>)
- Low lifetime cost
- Excellent proven reliability
- 5 year warranty
- Unparalleled sound quality and intelligibility
- Automatic gain control optimized for speech
- High voltage headroom avoids high frequency clipping
- Metal loss corrector corrects frequency dependent loss from metal structures
- Rack mount brackets optional
- Microphone (XLR) and line inputs
- Extensive input adaptors available for any audio input requirements

**Includes:**

- One (1) ILD300 Professional Loop Driver (4.9 Amps)
- One (1) "T" Logo Installed Adhesive Sign - Large (11.7" x 8.3")
- One (1) Line Cord (North America)
- One (1) Wieland ST17/2 Connector
- One (1) Handbook and Installation Instructions

Product Specification: Professional Loop Driver (4.9 Amps)	
<b>Audio</b>	
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	XLR Balanced, -70 dBu Input, 200-6000 Ohms, +15 VDC Phantom Power
Line Input	1/4 in. (6.4 mm), -30 dBu Input, Overload Protected
<b>Controls</b>	
Gain Control	Front recessed input level control
Metal Loss Correction	Correct system frequency response due to metal structures
Cooling	Natural Convection
<b>Indicators</b>	

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Drive Current Indication	4-LED Display Front Panel, 3 dB Increments
Fault Monitoring	LED Fault Indicators, Overload, Overhead, Loop Error
Remote Fault Monitoring	Relay Contacts
<b>Interconnections</b>	
Slave I/O	1/4 in. (6.4 mm), Insert Point for SP5 90° Audio Phase Shifter, 0 dBu
Loop Connector/s	Wieland ST17/2
Ancillary	± 15 VDC, 0.15 A, Power Outlet to Power Accessories
<b>Loop</b>	
Perimeter Loop - Coverage	1:1 Aspect Ratio - 2,690 sq ft. (250 m <sup>2</sup> ), 2:1 Aspect Ratio - 3,340 sq ft. (310 m <sup>2</sup> ), 3:1 Aspect Ratio - 4,520 sq ft. (420 m <sup>2</sup> ) 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
<b>Power</b>	
Compliance	ETL Listed
Power	120 VAC, 35W, 45-65 Hz, Power Switch/Led on Front Panel
Drive Voltage	6.4 V (RMS) at Maximum Output Current
Drive Current	4.9 A (RMS), 7.0 A (Peak) with 1 kHz Sine Wave
Drive Current Peaks	Short Term > 10 A
<b>Physical</b>	
Width	8.5 in. (215 mm)
Height	1.7 in. (44 mm)
Depth	8.7 in. (220 mm)
Shipping Weight	6.2 lbs. (2.8 kg)
Mounting	Freestanding or Shelf Mounted
Cable Length	10 AWG - Max distance at full current - 232 ft. (71 m), 14 AWG - Max distance at full current - 214 ft. (65 m), 18 AWG - Max distance at full current - 146 ft. (44 m), 22 AWG - Max distance at full current - 81 ft. (25 m), FB1.8 - Max distance at full current - 286 ft. (87 m)
Weight	5.0 lbs. (2.25 kg)
<b>Environmental</b>	
Relative Humidity	IP20 Protection, 20 to 90% Relative Humidity, 32 F (0 C) to 95 F (35 C)