

# LD SERIES

## LD1.2/2.2/3.2

Multiloop driver  
Class D Amplifier



The new LD1.2, LD 2.2 and LD 3.2 in the Opus Technologies range are a French made and next-generation, low-loss magnetic loop amplifiers. This device incorporates two channel amplifiers and an OP-R mounting kit.

It can equip adjoining rooms (amphitheater, courtroom, etc) with two magnetic loops installed hairpin or the areas with a metal. This type of installation makes it possible to limit the external radiation of the magnetic field, to guarantee uniformity of coverage and to provide a power which makes it possible to limit the distortions due to the presence of metal.

The LDx.2 series can also be used to equip large areas such as fairgrounds or stadium stands.

The amplifiers incorporate a fault synthesis that controls continuously the loop and the amplifier. The information is displayed on the front panel and can be deported thanks to a dry contact. Due to the high-efficiency Class D technology, amplifiers consume less and have natural cooling.

The amplifiers output voltage, the largest available on the market for this type of amplifier, ensures outstanding sound quality without clipping or distortion. The variable frequency of switching class D amplifiers developed by Opus Technologies allows unparalleled performance in the smallest case size on the market and an exceptional sound signal.

- Class D amplifier
- The most compact on the market
- Efficiency up to 92%
- Fanless convection
- High output voltage up to 48Vpk
- Voice alarm (100V) priority
- Automatic gain control
- Wall mounting available
- Warranty 5 years
- Correction settings due to metal losses
- Monitoring and detection of clipping, loop and temperature



## Coverage

Cover meets the IEC 60118-4 standard

Loop	No metal loss			Moderate metal loss			High metal loss	
	Perimeter loop	Single array	Low overspill	Perimeter loop	Single array	Low overspill	Single array	Low overspill
LD1.2	500m <sup>2</sup> 2x250m <sup>2</sup>	900m <sup>2</sup> 2x450m <sup>2</sup>	450m <sup>2</sup>	300m <sup>2</sup> 2x150m <sup>2</sup>	500m <sup>2</sup> 2x250m <sup>2</sup>	200m <sup>2</sup>	Contact us	
LD2.2	900m <sup>2</sup> 2x450m <sup>2</sup>	1300m <sup>2</sup> 2x650m <sup>2</sup>	650m <sup>2</sup>	500m <sup>2</sup> 2x250m <sup>2</sup>	900m <sup>2</sup> 2x450m <sup>2</sup>	400m <sup>2</sup>	300m <sup>2</sup> 2x150m <sup>2</sup>	200m <sup>2</sup>
LD3.2	2000m <sup>2</sup> 2x1000m <sup>2</sup>	2500m <sup>2</sup> 2x1250m <sup>2</sup>	1 450m <sup>2</sup>	900m <sup>2</sup> 2x450m <sup>2</sup>	1300m <sup>2</sup> 2x650m <sup>2</sup>	500m <sup>2</sup>	500m <sup>2</sup> 2x250m <sup>2</sup>	300m <sup>2</sup>

	LD1.2	LD2.2	LD3.2
<b>INPUTS</b>			
<b>Audio inputs</b>	3 inputs: x2 Ligne/microphone - x1 100V		
<b>Type</b>	Phoenix and/or Combo Neutrik		
<b>Power supply</b>	12V 2mA		
<b>Sensitivity</b>	-50dB micro, +40dB 100V, -10dB ligne		
<b>Slave input</b>	6.35mm jack plug. 2 <sup>nd</sup> LD2.0		
<b>Priority</b>	100V input 1		
<b>POWER SUPPLY</b>			
<b>Type</b>	Integrated		
<b>Voltage</b>	115/230Vac (automatic) 50/60 Hz		
<b>Power</b>	400VA	500VA	600VA
<b>Consumption</b>	9W		
<b>AUDIO CHARACTERISTICS</b>			
<b>Metal loss</b>	0 to 3 dB by octave		
<b>Automatic Gain Control</b>	AGC optimized for speech Dynamic > 36 dB		
<b>Bandwidth</b>	80Hz to 9.5kHz		
<b>Phase change</b>	Included		
<b>OUTPUT</b>			
<b>Loop impedance</b>	0.5 $\Omega$ to 3 $\Omega$		
<b>Output voltage</b>	34V rms (48V pK)		
<b>Peak current</b>	2x8A	2x11A	2x15A
<b>RMS current</b>	2x5Arms	2x7Arms	2x10Arms
<b>FUNCTIONS</b>			
<b>LED displays</b>	Power, Protect, Clip and Correct Loop		
<b>Cooling</b>	Natural cooling		
<b>Status monitoring output</b>	NO / NC fault relay		
<b>DIMENSIONS</b>			
<b>HxLxD</b>	42 x 200 x 215 mm		
<b>Weight (with the box)</b>	1.5 kg (1.9 kg)		

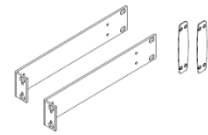
## RC

Copper tape with 1 conductor designed for induction loops. 1x1,8 mm<sup>2</sup>



## OP-R

Complete kit for wall mounting or 1 or 2 units of the LD series in a 19" rack



## C10-RC

Terminal block for RC copper foil

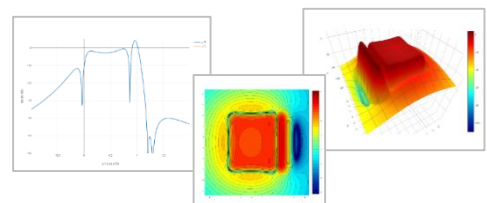


## OP-FSM-02

Tester and magnetic field meter in accordance with the IEC 60118-4 specification. Supplied with an OP-778 headset



## Opus Smartloop



The loop simulation software developed by Opus guarantees technical studies that comply with the EN60118-4 standard