

## SPECIFICATION

**AMPETRONIC**

**ILD15BB**

**ILD15NB**

### INDUCTION LOOP DRIVER FOR LIFTS (Elevators) AND INFORMATION POINTS

The ILD15BB Induction Loop Driver is specially designed for use with lifts (also known as elevators in some countries), while the ILD15NB unit can be used for other specialized purposes.

The ILD15BB has been designed to interface to the normal lift sound system, and incorporates the necessary battery backup to ensure correct operation when the AC power has been cut.

A major problem with modern lifts is their structure, which often comprises a cage made of stainless steel sheet, fixed in a steel cradle. This metal cage causes very significant losses which are frequency dependent. The ILD15BB incorporates the necessary facilities to correct for these losses in normal passenger lifts.

The ILD15NB has been designed for use in places where the environment is demanding, such as exposed information points in transport terminals, etc., without needing the battery backup included in the ILD15BB.

*5 Year Warranty*

5 year warranty applies to the amplifier, but batteries are covered for one year from date of sale.



## TECHNICAL SPECIFICATION

### Inputs:

— INPUT 1 is for a signal from the voice coil of the lift sound system or other local sound system. Input level 2.8 Volt (+3.6 dB) peak.

— INPUT 2 is for connection to a 100 Volt sound system. Other levels can be factory set for special requirements.

### Compression:

Compression range 36dB before overload. Attack and Decay time constants optimised for speech.

### Loop Current:

>9 Amps peak current, peak voltage 1.5 V, into a very low-resistance SINGLE TURN loop.

Please note: a specially designed loop layout/construction will nearly always be required, to ensure the correct field signal and distribution inside the lift steel cage or other location.

Please contact Ampetronic for information on the design of this loop structure.

### Frequency Response:

80 Hz to 5 kHz  $\pm$  1.5 dB, at low level, measured as loop current.

### Loss Correction:

Metal loss correction is adjustable from 0 to 3 dB per octave.

### AC Power Input:

230 Volt AC operation 50-65 Hz. 115 V AC version available. Power consumption 18 VA Max.

### Cooling:

The unit is designed such that the case acts as heat radiator.

### Battery Backup (ILD15BB only):

Internal 2 Ah 12 Volt battery with charging circuits, having a full 3-state charge-overcharge-float control mode. Battery power sufficient for 12 hours standby plus 0.5 hours full power operation.

### Dimensions:

Length: 255 mm  
Width: 190 mm  
Height: 90 mm.

### Weight:

3.8 Kg. for ILD15BB  
3.0 Kg for ILD15NB

### CE Compliance:

The equipment meets all the applicable EMC and safety standards.

### Options:

Complete sets of loop bars and installation kit as shown in photograph overleaf - made to special order.

See over for picture of typical Loop Installation in a Lift.

*The Complete System  
Capability*

**AMPETRONIC**

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## Typical Installation of Loop

