



The Loop Matching Transformer product range consists of the LMT100, LMT200, and other variants. All units in this range are IP65 rated loop matching transformer units, which enable the ASL 100V Line amplifiers to drive low resistance Audio Frequency Induction Loops (AFILs). These induction loops are typically installed as a single turn conductive loop in passenger lifts, platform shelters, ticket offices, and other areas where it is required to provide a direct transmission of a Public Address or Voice Alarm broadcast to hearing aid wearers.

All of the units in this range of products perform the same basic function. The differences between the primary products in the range are as follows:

LMT100 = 100W Loop Matching Transformer, primarily for ASL M100 amplifiers.  
LMT200 = 200W Loop Matching Transformer, primarily for ASL M200 amplifiers.  
LMTxxxR = LMT unit fitted with an additional SPCO relay for use by ancillary equipment.

The LMT units contain an End Of Line (EOL) resistor to enable an amplifier equipped with an LSIDC or LSDDC surveillance card to monitor the connection from the amplifier to the LMT unit.

For further details please refer to the LMT100 / LMT200 / Variants product manual or visit [www.asl-control.co.uk](http://www.asl-control.co.uk).

## Specification

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### General

Input voltage .....	100V RMS
Current output into 0.5R loop	
LMT100 / LMT100R .....	6A RMS (9A Peak)
LMT200 / LMT200R .....	13A RMS (18A Peak)
Frequency response of current	
into typical loop (2.5m x 1.5m) ignoring metal losses .....	100Hz to 10kHz (-3dB)
Thermal trip .....	75°C
End of line resistance .....	10kΩ ± 1%
Colour .....	Agate Grey RAL7038

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### Relay Data (only for LMTxxxR variants)

Rated current .....	12A
Rated voltage / max. breaking voltage AC .....	250V AC / 440V AC
Maximum breaking capacity AC .....	3000VA
Make current (max. 4s at duty cycle 10%) .....	25A
Nominal coil voltage .....	12V DC
Nominal coil power .....	400mW
Mechanical life .....	> 30x10 <sup>6</sup> operations

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### Dimensions and Weight

Dimensions (H x W x L) .....	90mm x 160mm x 360mm (excl. gland and conduit entry)
Weight .....	5.25kg max

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### Environmental

Temperature (storage and operating) .....	-20°C to +55°C
Humidity range .....	0% to 95% RH Non-condensing
Waterproofing .....	IP65



This equipment is designed and manufactured to conform to the following EC standards:

EMC      EN 50121-4  
 Safety    EN 60065

Failure to use the equipment in the manner described in the product literature will invalidate the warranty.

A 'Declaration of Conformity' statement to the above standards, and a list of auxiliary equipment used for compliance verification, is available on request.

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