dewhurst

This information is for guidance only and is not intended to form the basis for contract. All dimensions in mm.

BVQi ISO 9001   UKAS QUALITY MANAGEMENT 00B

Speech Synthesiser Module
Type CX-Speech MP3

Publication Number PB194/0517

Application
The CX-Speech MP3 Module has been specifically designed to plug into the Dewhurst CX-Basic Serial Encoder Board. Through dedicated inputs on the encoder it provides facilities for floor identification, door opening, door closing, direction of travel as well as warning and information announcements.

Features
the CX-Speech MP3 an enhanced version of the CX-Speech as it consists of the following enhanced features:
- Speech bandwidth is increased from 4KHz to 16KHz thereby providing better speech quality.
- Speech Storage is on a MMC / SD card for easy modification to the speech files in memory.
- It can announce up to 3 languages per floor.
- It can play background music during idle period.
- The 4 minute limit of the CX-Speech is increased to at least 800 minuntes of speech using a 128MB MMC card with moderate MP3 compression.
- No limit of duration per phrase.

Up to 64 floor, 50 auxiliary, direction and door speech meesages avilable. All the above are derived via the inputs into the CX-Basic encoder. The CX-Speech MP3 incorporates a control to adjust normal speech volume 0 - 100dBA.

There is a large vocabulary of English phrases that will cover the majority of requirements. However, custom phrases can be accommodated.

The CX-Speech MP3 announcements provide clear information to lift users and are of particular importance to blind and partially sighted people for applications requiring compliance to Lift and Building Regulations.

Installation
The CX-Speech MP3 is supplied with a loudspeaker and two line transformers, which allows the speaker to be situated up to 300 metres away from the speech module.

For optimum sound quality we recommend that the loudspeaker be mounted in the roof of the lift car or alternatively, it could be mounted behind a grille in the car operating panel or any other suitable location.

Since the CX-Speech MP3 is mounted in the machine room, the line transformers supplied need to be used in order to ensure minimum line resistance loss and distortion. This is dependant on cabling and distance.

Specification

CX-Speech MP3 Board:

Power Supply	From CX-Basic
Consumption	Average 50mA, Peak 200mA
Audio Output	2.5 watts
Volume adjustment	0 - 100 dBA
Outpur interface	8 ohm speaker
Phrase Time	800 minutes
Dimensions (mm)	91.5L x 128.0W x 23.25D
Weight	100g

Speaker:

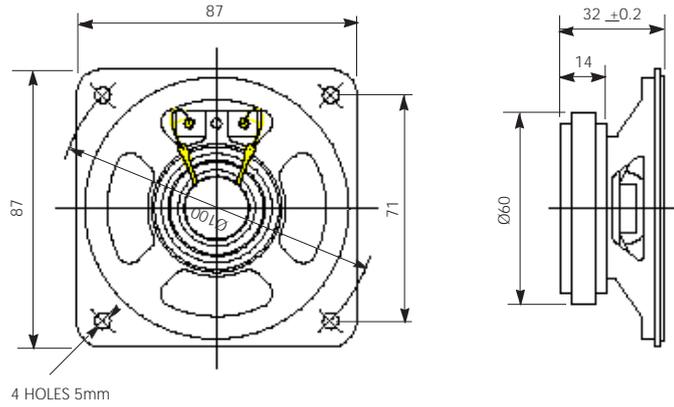|	
Dimensions (mm)	87L x 87W x 32D
Weight	150g
Four fixing holes	71 mm x 71 mm

Transformer:

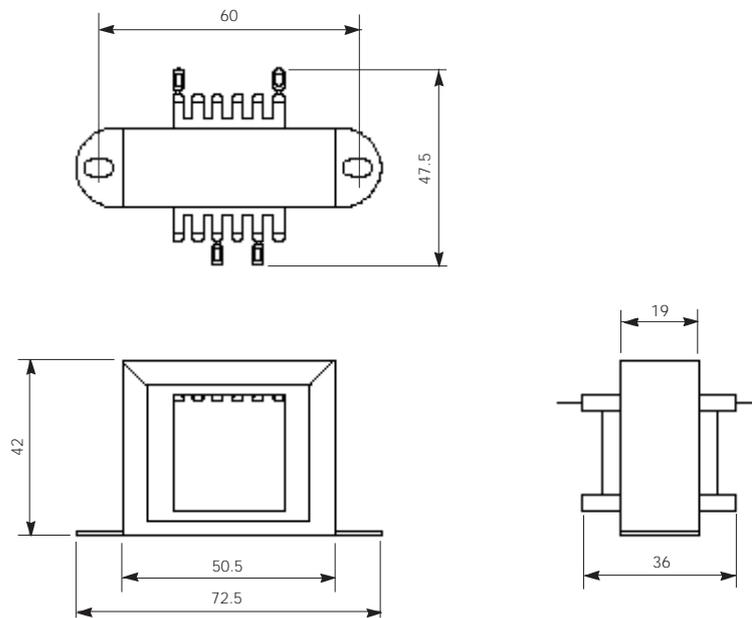|	
Dimensions (mm)	42L x 73W x 33D
Weight	50g

EEC Directives
This component has been designed with due consideration to both BSEN81 parts 1 & 2 and the EMC Regulation BSEN12015 and BSEN12016 for incorporation in a lift application.

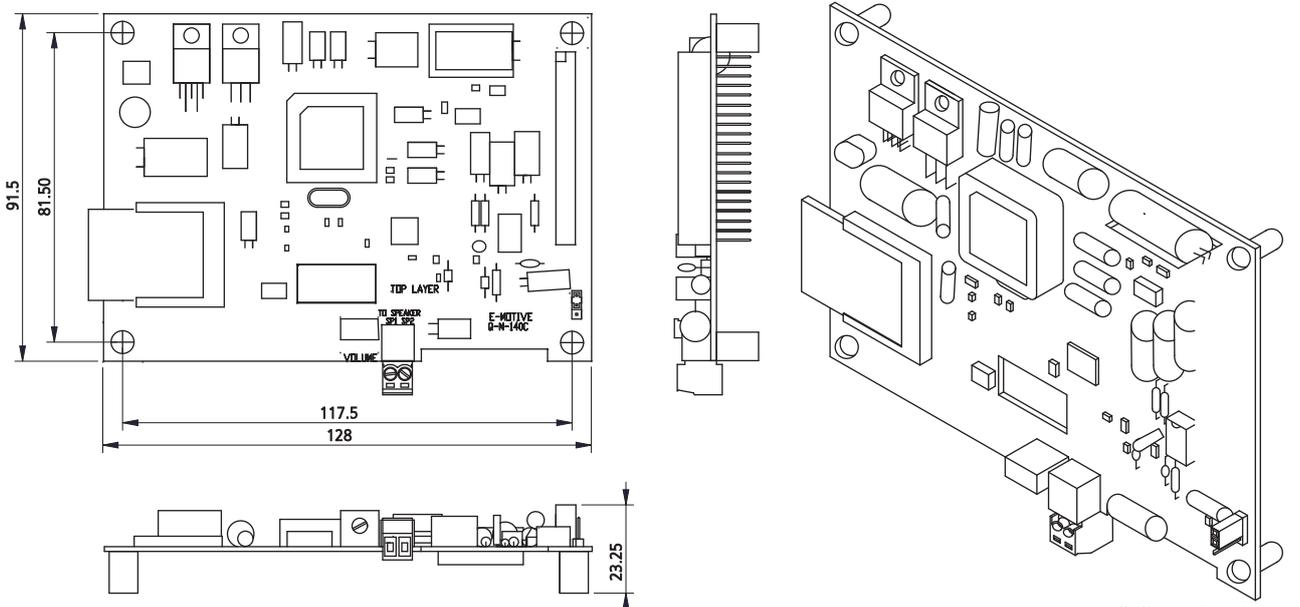Power must be switched OFF before any maintenance is carried out.

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SPEAKER TEMPLATE FIXING

87

87

71

32 +0.2

14

Ø60

Ø100

4 HOLES 5mm

LINE TRANSFORMER

60

47.5

19

42

50.5

72.5

36

CX-SPEECH MP3 PCB

91.5

81.50

TOP LAYER

TO SPEAKER
SP1 SP2

E-MOTIVE
D-N-140C

VOLUME

117.5

128

23.25

All dimensions in mm