

VOICE SYNTHESISER TYPE VSSA

INTRODUCTION

The VSSA Voice Synthesiser System is a stand alone unit to give voice announcements regarding the lift position, direction, door operation and service status.

The Voice Synthesiser Unit can announce upto 32 floor references (which are factory programmed within the standard voice library constraints), direction status, door status, and 3 messages. The Audio Output is via a 8 ohm speaker at 1 watt.

Uses latest developments of circuit integration together with surface mount manufacturing techniques to give a unit footprint of 140mm. x 90mm., and 30mm tall.

Control Interface Unit Connections

The unit is powered from a smooth 24Vdc power supply.

Inputs are opto-isolated for 24Vdc operation and include :-

Binary position inputs PA, PB, PC, PD, PE, PF for upto 32 floors.

SX input for Speech Position Data Announcement 'silence' control

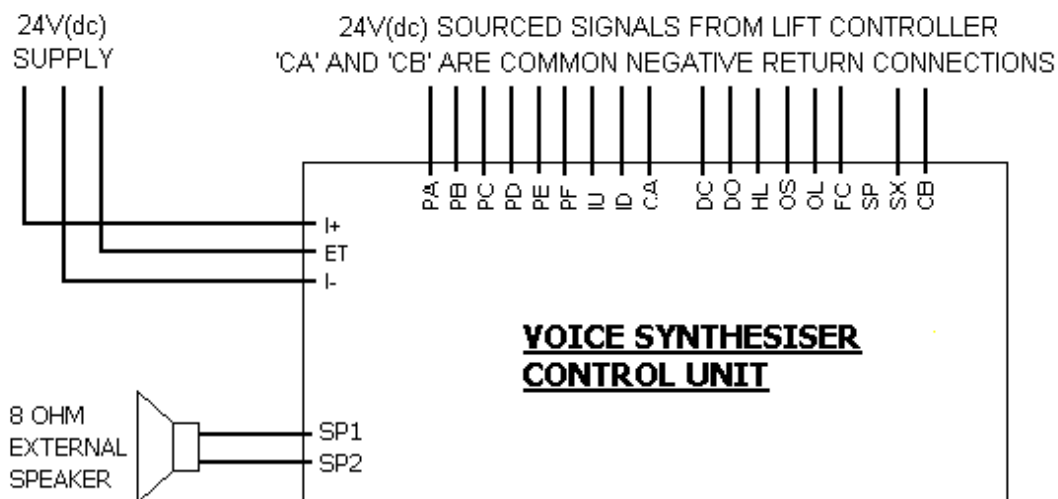
IU, ID,HL inputs for Hall Lantern Announcement control.

DC, DO inputs for door open and close announcements.

OS, OL, FC for messages 'Out of Service', 'Car Overloaded', and 'Fire Control'.

Note: A decimal to binary encoder unit is available as an optional chargeable extra to help controller position data interfacing.

VOICE SYTHESISER CONNECTION DIAGRAM



ALL CABLES TO BE SEGREGATED FROM SOURCES OF HIGH ELECTRICAL NOISE

LC5A (ISSUE 1)

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VOICE SYTHESISER CONTROLS

Position Control

Position statements are announced once only each time the position changes.

The 'SX' input may be energised to inhibit position statements (possibly while travelling between floors via a normally open HSR contact).

Position statements are factory fixed at time of ordering within the Voice Synthesiser Statement Library (available on request). Special contract specific Voice Libraries are available on request at extra cost.

Door Control

The unit will either announce 'doors opening / closing' or 'please mind the doors' dependent upon DIL Switch settings.

'Please mind the doors' statement is only made on closing.

Since continual repetition of door control statements may be considered a nuisance when used in residential environments, door statements may be automatically silenced if more than 25 door statements are made at a constant floor position. The voice function will return to normal if a new position statement is invoked, or no door statement requests are made for 2 minutes. This automatic silence function can be inhibited via DIL switch operation, since under certain circumstances it may be considered better to always give door announcements (for the sake of blind passengers). Only 'door' statements are affected by silence control

Direction Control

The unit will announce either 'going up / down' or one gong for up / two gongs for down, selectable under DIL switch operation. Direction statements will commence under control of the 'HL' input on the Interface Unit, and the 'doors opening' statement. Primarily 'direction' statements are enabled only after the 'door open' statement is given at a floor. Once enabled all direction statements are given until they are inhibited via the change of the lift position. In order to register a direction statement the 'Interface Unit' must receive an 'HL' input together with an 'IU or ID' input.

Message Control

Standard Messages are available for Fire Control, Lift Out of Service, and Car Overloaded.

When a new message is invoked it is announced once only. A 'no message' signal will recycle the message announcement control.

DIL Switch Settings

Dil Switch 1 ON enables Hall lantern gong operation (one gong up, 2 gongs down).

Dil Switch 2 ON enables 'Going Up' and 'Going Down' voice announcements.

Dil Switch 3 ON enables 'Doors Opening' and 'Doors Closing' voice announcements.

Dil Switch 3 OFF enables 'Please Mind the Doors' announcement on closing.

Dil Switch 4 ON enables Door announcements to be operated with no silence control.

Dil Switch 4 OFF permits door announcements to be silenced after repetitious operation.