

CAUTION

1. **SWITCH OFF** the mains supply before any installation, maintenance or repair work is carried out.
2. **DO NOT** work on live equipment unless it is essential to do so, in which case extreme care must be taken to avoid electrical shocks, including the use of rubber mats.
3. Installation, maintenance or repair must only be carried out by a competent person who is trained on this equipment.
4. Replace all covers on completion of work and ensure the unit is safe for installation and use.

EEC DIRECTIVES

These components comply with the relevant EEC Directives when used on lifts.



Installation and setting instructions

Field Wiring Instruction for SM018 Speech Module with CH024 and CH034

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Important

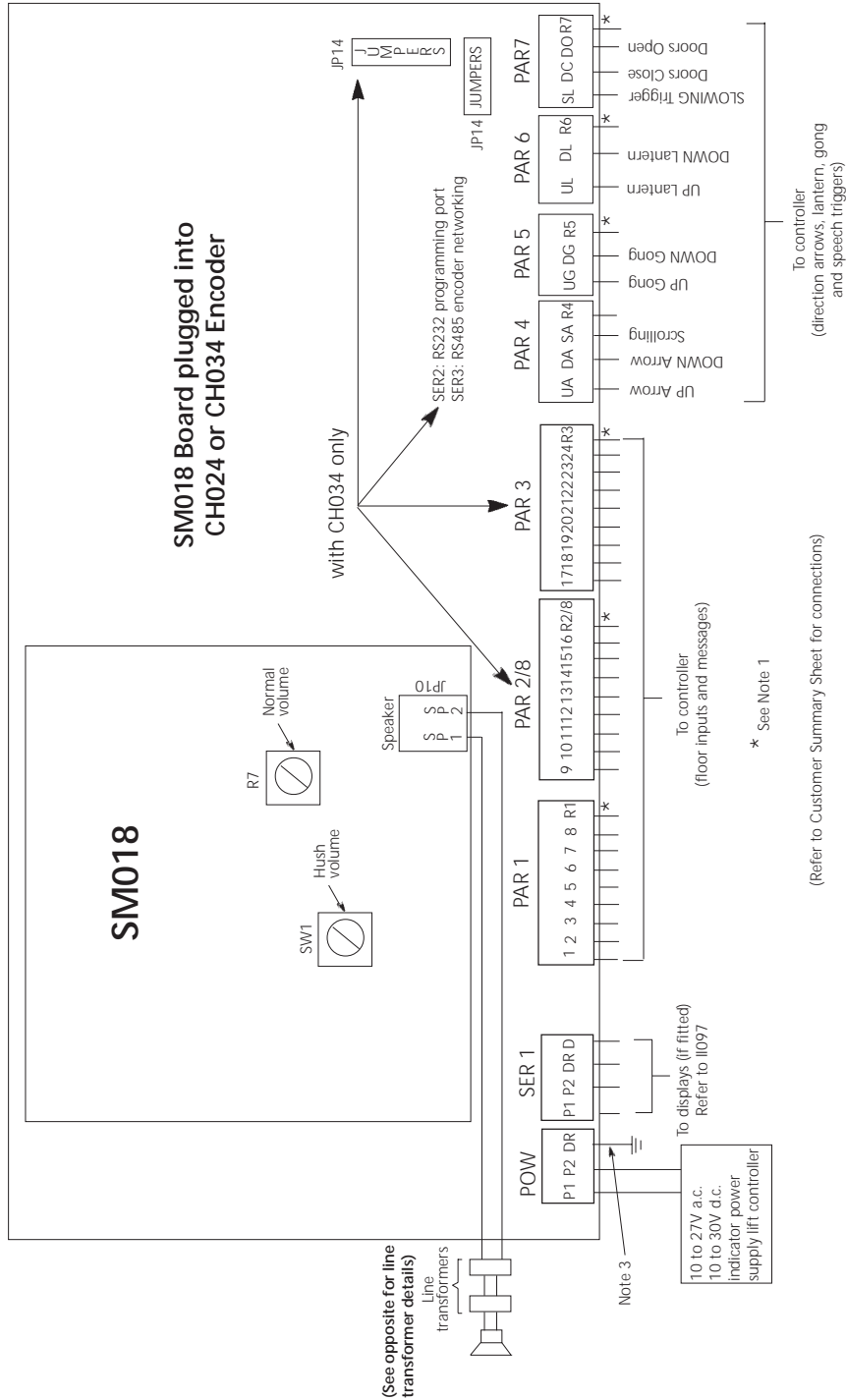
These instructions must remain with the product to ensure correct installation. If extra copies are required please contact Dewhurst plc and quote publication number and issue

If you have any problems or questions, please contact our technical support desk direct on **+44 (0)20 8538 1770** during office hours.

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SM018 **MUST BE** plugged into either a CH024 or CH032



ELECTRICAL DATA

Power supplies POW:
(Absolute maximum)
Input Signals PAR1-8:
(Absolute maximum)
Output Signals SER1:
Output Signals SER2:
Output Signals SER3:

10V d.c. to 30V d.c. or 10V to 27V a.c.
Peak supply current 0.13A
10V to 28V a.c./d.c. @ 20mA each
R = Return for inputs
4 wire serial communication
Programming port (RS232C)
Encoder networking (RS485)

WIRING AND SETUP

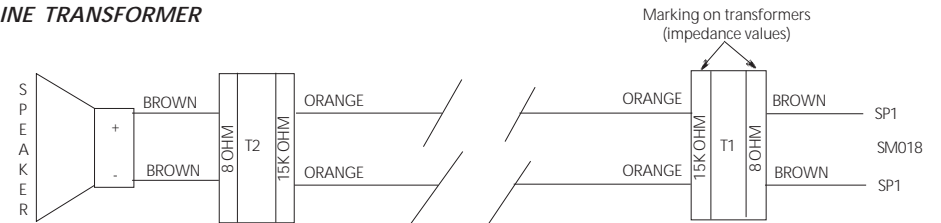
- NOTE 1: Connect R1-R8 on PAR 1 to 8 respectively, to the opposite supply (polarity/common) to that of the signals being supplied to each PAR connector. Each PAR can be different. JP14 (jumpers) on the encoder can be used to common each R(1-7) together if required. If the common R(1-7) for each PAR is different, then the appropriate jumper(s) must be removed.
- NOTE 2: If Gongs or Arrival Arrows are required set digital display to landing position with Bit Switches on Digital Display (Binary).
- NOTE 3: If power supply is not referenced to earth at either the transformer (for a.c. supply) or at the 0V of the d.c. supply, then earth encoder to local earth chassis, i.e. controller backplate. This lead must not be longer than 100mm

ENCODER BOARD LABELLING NOTE:

Previous version of board was labelled as follows:

- POW: DR was 0V
SER1: DR was 0V
PAR1: R1 was R
PAR2: R2 was R
PAR3: R3 was R
PAR4: R4 was R
PAR5: UG was AU, DG was AD & RS was R
PAR6: UL was UHL, DL was DHL & R6 was R
PAR7: R7 was R

LINE TRANSFORMER



Line transformer only required with rise >100m

- Notes:
- T2 to be mounted as close as possible to speaker
 - T1 to be mounted as close as possible to SM018