

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 CH024 & CH034 Encoders

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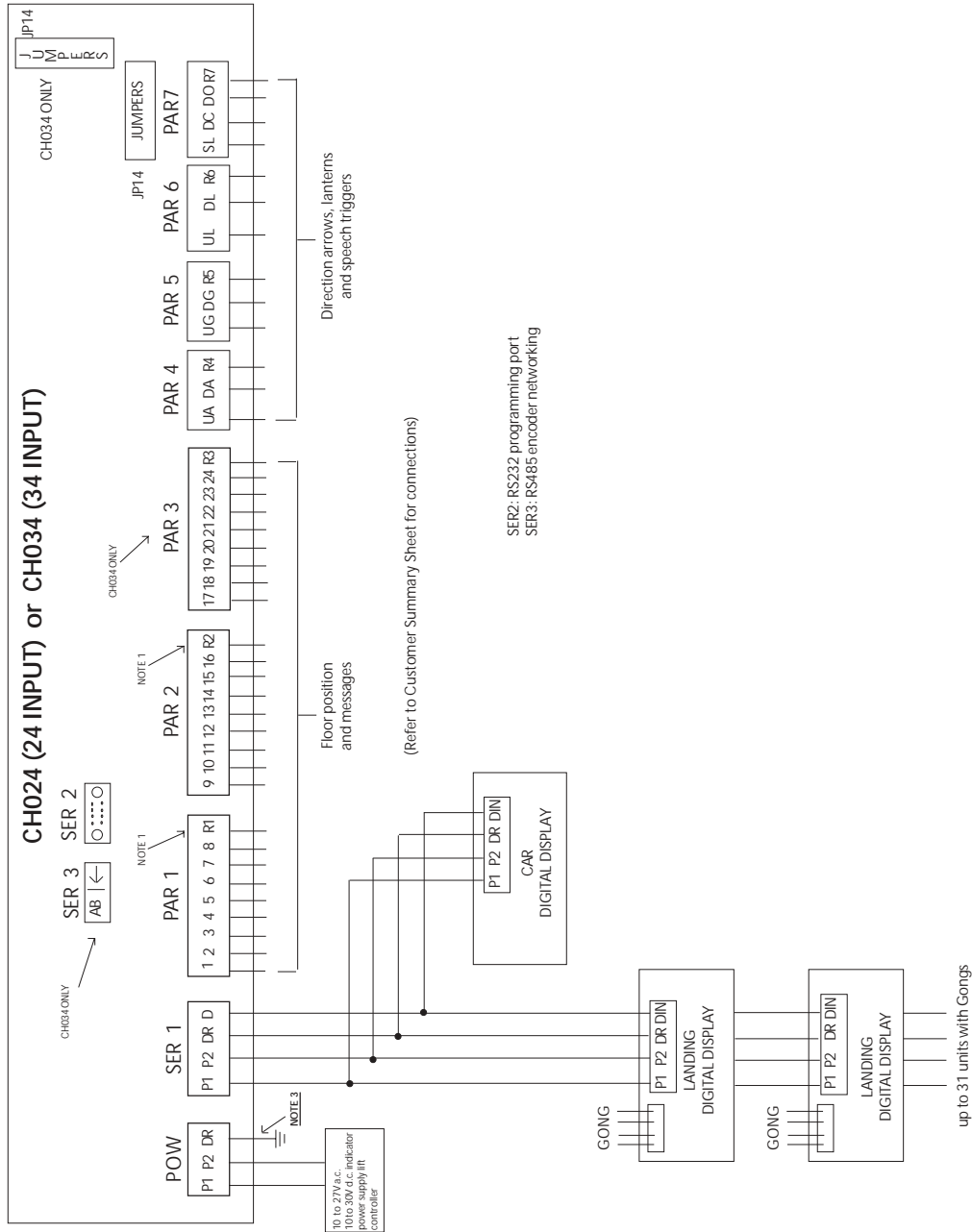
Important

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 8607 7322/7383 during office hours.

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ELECTRICAL DATA

Power supplies POW: (Absolute maximum)	10V d.c. to 30V d.c. or 10V to 27V a.c. Peak supply current 0.13A
Input Signals PAR1-7: (Absolute maximum)	10V to 28V a.c./d.c. @ 20mA each R = Return for inputs
Output Signals SER1:	4 wire serial communication
Output Signals SER2:	Programming port (RS232C)
Output Signals SER3:	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.

FAULT FINDING

Do all units show indication of power:

- 1) Flashing red light
- 2) d.c. voltage supply - is link fitted between 0V and Common terminal all units
- 3) Does digital display show xxx - if so check comms connection on SER1 + to + and - to - throughout comms chain.
- 4) Do digitals read correct positions and messages. Refer to Customer Summary Sheet for correct input connection CH024 (connection Par 1 & 2) CH034 (Par 1, 2 & 3).
- 5) If gongs or arrival arrows are required, check bit switch setting on each digital display for correct operation.