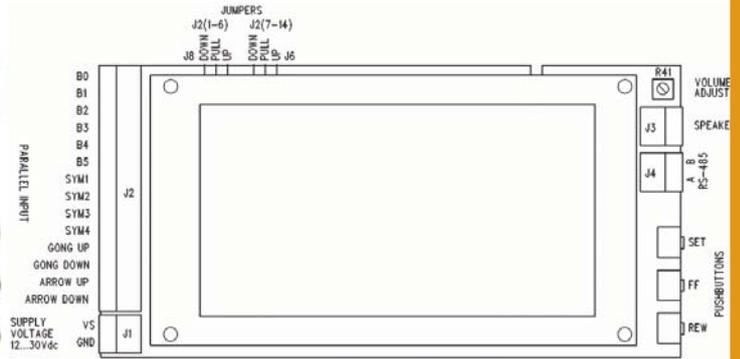
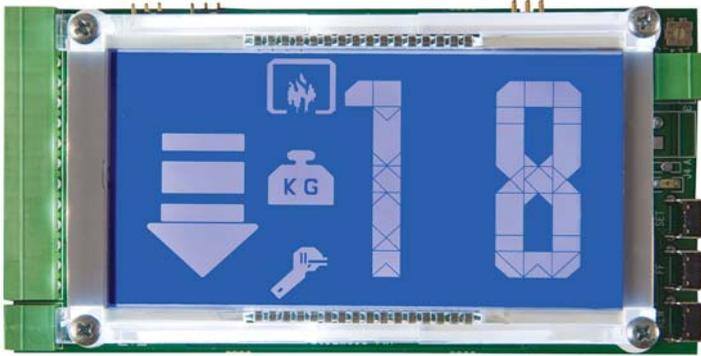


Segment LCD Display Device for Lifts



LCD2MS38 is a segment LCD display. The display is optimized for lift applications. It can be assembled either to the car or to the level. It can present floor markings, direction arrows and the three graphical symbols needed for special indications. Audible signaling can be done by a standard gong. Gong sounds differently according to direction that car moves.

Functional specifications

- Applicable for assembly either to the car or to a level
- Maximum number of floors is 32
- Presents floor markings, direction arrows and graphical symbols needed for special indications
- Floor mark consists of 2 characters: 0...9, A...Z, space _ - () * + , . / : ;
- Floor mark consists of one or two letters or numbers (0...9, A...Z, minus sign)
- Audible signaling by a standard gong (loudspeaker is an accessory)
- Adjustable loudspeaker volume

Display module specifications

- LCD type: STN, negative, blue, transmissive
- Backlight: long life white LED
- Active area: 87 mm x 47 mm
- Viewing angle: 6 O'clock

Electrical connections

- Operating voltage range 12...30 VDC (max. 5% ripple)
- Current consumption <40 mA @ 24 VDC (without gong)
- Backup battery input
- Parallel interface has:
 - Internal 10 k pull-down or pull-up resistors (jumper selectable)

- Input voltage range: 0...30 VDC
 - Logic 0: 0...1VDC
 - Logic 1: 10...30 VDC
- Maximum input current: ± 3 mA (depending on input polarity)
- Parallel mode position input coding is selectable: Binary/Gray
- 3 inputs for the symbol indications control
- 2 inputs for the gong control
- 2 inputs for arrow direction control
- 1 input that activates arrow scrolling
- VEBUS serial communication interface (optional)
 - RS-485 compatible bus connections
 - Protocol is developed and optimized for lift applications
- Loudspeaker impedance: 8...32 ohm
- Adjustable volume (trimmer potentiometer)

Configuration

- Device configuration is made by means of displayed menu and 3 push buttons covering configuration of:
 - Input coding (BIN or GRAY)
 - Installation position selection (CAR/LANDING)
 - Level for gong if in landing-mode (GONG FLOOR)
 - Floor marks (BUS 00...BUS 31)
- Device settings can be copied from one device to the other ones via a flat cable. After copying, only settings that differ between devices need to be changed separately for each individual board.

Size and environment

- Physical dimensions: 128 mm x 65 mm x 17 mm (+additional space for connectors)
- Weight: 92 g (max.)
- Operation environment: 0...60 °C, RH: <85% (no condensation)
- Not to be used in wet, moist or dusty environment