

LCD Position Indicator Display Unit

Type ULS65 - 256-COLOUR LCD

Publication Number PB154/0608



Description

The LiftStore ULS65 LCD Position Indicator is designed for lift applications to provide graphical representation of the lift position directional arrows, date & time/real time messages, etc.

Operation

The LiftStore ULS65 LCD works with a transmitter/encoder board (CH024/34) which interfaces to the lift controller through optocouplers. The triggering signals from the lift controller, which activate the floor legends and directional arrows, are intercepted by the transmitter/encoder board and retransmitted to all the ULS65 Colour LCD units through the 4-wire serial interface. (A 16-input parallel version is also available).

Configuration of the floor legends, floor codes and arrows are stored in the EEPROM of the transmitter/encoder board and the character fonts are stored in the serial display units.

Configuration of the floor legends, floor codes and arrows are stored in the EEPROM of the parallel units.

Display Capabilities

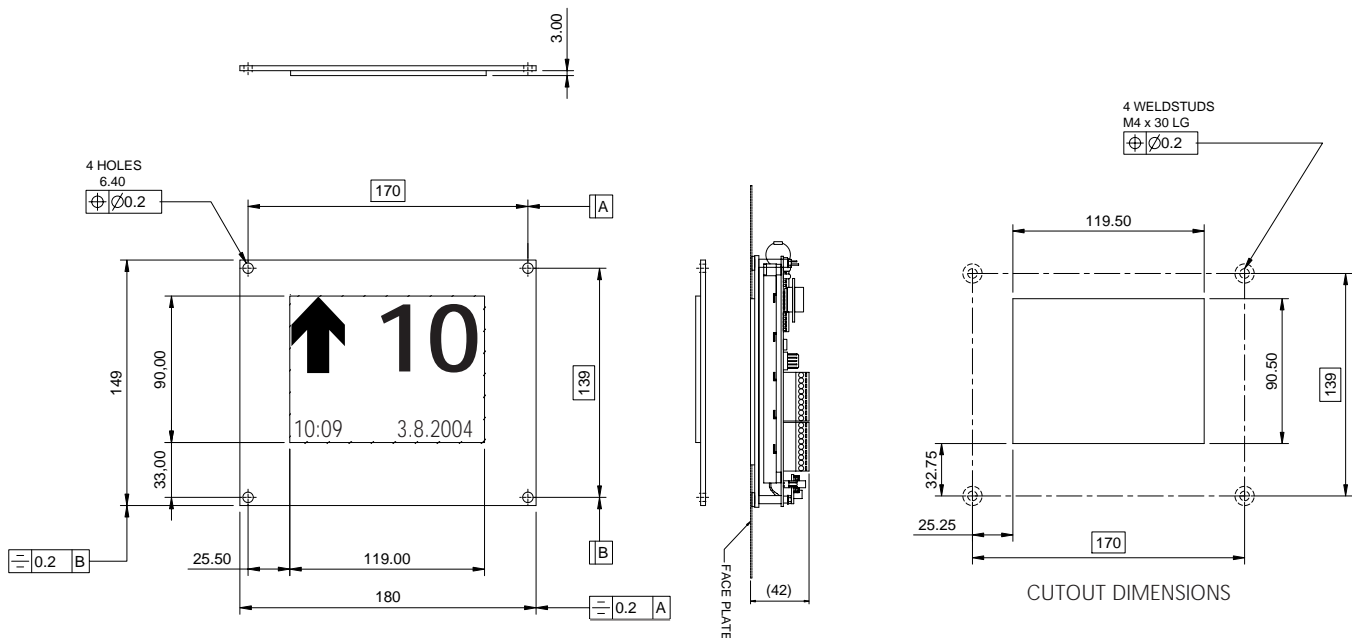
The ULS65 colour LCD standard model is supplied with the following software features:

- Directional arrows are displayed at the top left hand section of the screen. The arrows scroll upon the activation of the lift moving signal.
- The landing legend is displayed at the top right hand corner of the screen in two dimensions.
- Time and date is shown in text at the bottom of the screen as well as an analogue clock face when the lift is running.
- Floor directory will replace the date and time display when the lift stops at the landing.
- Lift status signals are converted to messages by the transmitter/encoder unit in the lift motor room and sent to the ULS65 Colour LCD.

Custom displays can be programmed where required, e.g. logo's, graphics, images, etc.

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	D lift material	t 02 9310 4288	f 02 9698 4990	info@liftmaterial.com	www.liftmaterial.com
Canada	D dupar controls	t 519 624 2510	f 519 624 2524	info@dupar.com	www.dupar.com
UK	D LiftStore	t 020 8538 1770	f 020 8538 1771	info@liftstore.com	www.liftstore.com
USA	D the fixture company	t 847 214 3100	f 847 214 2771	info@thefixtureco.com	www.thefixtureco.com

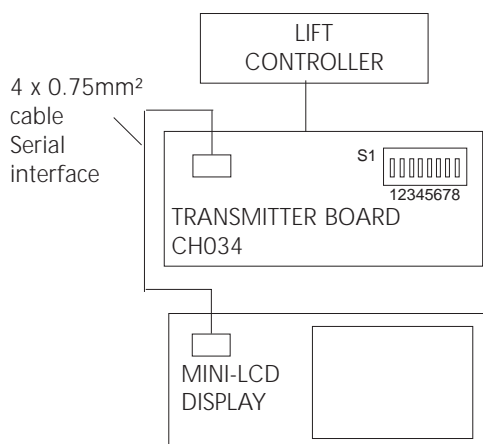


Specification

Absolute Maximum Ratings	
Supply Voltage, DC	24V
Supply Voltage, AC	18V
Peak Supply Current @ 24V DC	0.45A
Signal Voltage, DC. (opto isolated input type)	12V to 24V
Signal Current, DC. (opto isolated input type)	20mA
Operating Free Air Temperature Range	0°C to 50°C
Storage Temperature Range	-10°C to 60°C
Humidity	10% to 90% non-condensing

Display Specification	
Interface	4-wire system/16-opto isolated inputs
Display Type	256-colour STN 5.7" LCD
Viewing Area (mm)	118 (W) X 89 (H)
Physical Product Size (mm)	180 (W) x 149 (H) x 34 (D)
Approximate Box Size (mm)	260 (W) x 192 (H) x 65 (D)
Resolution (pixels)	320 x 240
Dot Size	0.105 x 0.345 mm
Dot Pitch	0.12 x 0.36 mm
Viewing Angle X-axis (left to right)	+30° to -30°
Viewing Angle Y-axis (top to bottom)	+5° to -30°
Floor Legend and Arrow Height (variable)	Typically 40mm
Character Height for Messages (variable)	Typically 7mm

Typical Serial System Layout



Typical Parallel System Layout

