

UNIVERSAL PROGRAMMABLE SCROLLING INDICATOR- UniScroll2

1. GENERAL DESCRIPTION

The UniScroll2 is a universal scrolling display for the elevator floor information. It is capable of handling up to 32 floors with the possibility of editing and modifying the display contents for each floor. The display consists of three dot matrix characters (5 columns x 7 rows each). Two push buttons are provided to access the display contents of each floor as well as modify the scrolling direction and operating mode..



1.1 TECHNICAL DATA

Supply voltage	Board supply: 22Vdc +15% -25%
Inputs	Input active voltage level is: 22Vdc for gray code inputs 0Vdc for arrows
Connection	Screw type, plug-in connectors
Dimensions	LengthxHeightxWidth= 6.50cmx6.50cmx2.50cm (black box) LengthxHeightxWidth= 6.50cmx6.50cmx3.20cm (includes red display)

2. FUNCTION DESCRIPTION

The content of the memory corresponding to the floor set by the gray code inputs is displayed (GF, B1, M, 1). Every change on the floor information inputs triggers the scrolling of the display to reflect the content of the newly selected floor. The scrolling direction depends on the elevator direction and on the SDi setting.

2.1 MENU DESCRIPTION

F _L 0 : F _L 31		Memory content to be displayed for this station
SDi	↑	Scrolls UP when lift is going UP
	↓	Scrolls DOWN when lift is going UP

2.2 HOW TO ACCESS AND USE THE MENU

The memory content of each floor along with the scrolling direction can be modified by following the steps below:

1. Make sure that the display is powered; it should show the memory content of the currently selected station.
2. Press the Next/Inc push button once. The display will show the first floor number for which the memory content can be modified. So "F_LX" is shown which represents the Xth station.
3. Use the Next/Inc push button to scroll to the desired floor.
4. Press the Select/Ok push button. The display shows the memory content of this floor with the leftmost part blinking
5. Use the Next/Inc push button to scroll to the desired leftmost digit or character (0...9, blank, -, B, S, G, E, F, M, L).
6. Press the Select/Ok to save the leftmost part content. The rightmost part starts blinking.
7. Use the Next/Inc push button to scroll to the desired rightmost digit or character (0...9, blank, -, B, S, G, E, F, M, L).
8. Press the Select/Ok to save the rightmost part content. The floor number is displayed again.

2.3 ENHANCED FEATURES

1. Arrow scrolls when lift is moving. Arrow remains stationary when lift stops on a floor.
2. Five messages are displayed:
 - a) **Maintenance:** When elevator is in Maintenance.
 - b) **Wait:** When elevator is performing a homing trip.
 - c) **Out of service:** When the elevator has a problem.
 - d) **Call Maintenance:** When the elevator needs maintenance.
 - e) **Overload:** When the elevator is overloaded.

3. INSTALLATION & MOUNTING

3.1 INSTALLATION

Connect terminals P and GND to +VBAT and –VBAT of the power supply respectively.

Connect terminals A, B, C, D and E of the uniscroll board directly to A, B, C, D and E of the controller board.

Connect terminals UP and DOWN of the uniscroll board directly to UP and DOWN arrow of the controller board.

3.2 MOUNTING

- Mounting plate thickness: 0.8mm to 5mm.
- Cutout in mounting plate: 54mmx43mm.
- No need for welded studs (screws).