GARAN ELEVATOR LOAD WEIGHING SYSTEMS

To begin the system setup press the `Cal` and `Load` buttons together

`Cal` + `Load`

CAL

Enter the system setup menu. `Cal`

SYSt

Select the first menu item.

The system setup menu allows you to set and adjust various parameters

Navigation

Use the ↟ button to step through the menu items. Press ➡ to view the menu item
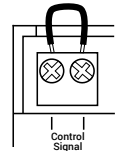
Editing Values

When a value is displayed, use ➡ to select the digit to edit (selected digit flashes) and use ↟ to step through the values for that digit.
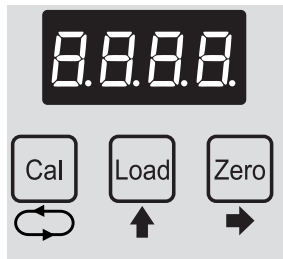
Press ➡ to save a change.

The system will revert to the operational display after approx. 10 seconds. Alternatively, return to the operational display by pressing ⟳ twice

Notes

1 To calibrate the EWS 102, a link must be fitted to the control signal input terminals. Leave in after calibration if a control signal input is not being used.

2 Until a sensor is connected, the EWS will display *Err6* preventing access to the system setup and calibration menus.

3 Calibration and set up can be carried out on any floor, but the EWS 102 must be re-zeroed at the lowest floor to finalise the Analog output calibration (multi analog only)

CAP   CAP indicates the elevator maximum capacity. To view the current value press ➡

AL 1   AL 1 is the load value to trigger Alarm Relay 1. To view the current value press ➡

AL 2   AL 2 is the load value to trigger Alarm Relay 2. To view the current value press ➡

AL 3   AL 3 is similar to Alarms 1 & 2 but allows negative values to be entered. When editing the most significant digit, instead of rolling over from 9 to 0 it included the minus sign option.

hYSt   Defines the value by which the load in the lift has to drop to reset the instrument, once the alarm has been triggered.

dLY   Defines the time from the control signal input is activated and the car load is stored. Default =2, the available settings are: 0 = 0sec, 1 = 0.5sec, ...7 = 3.5sec.

d iSP   Option for turning the display on or off when the lift is moving, the door close signal activates. To change the setting, press ↟ and use ➡ To toggle between On and OFF.

FIL   The filter value determines the update rate and damping factor. The available settings are: 0 = 0.4sec, 1 = 0.8sec, 2 = 1.2sec, 3 = 1.6sec.

bEEP   An internal sounder beeps when an overload alarm is triggered or when the keypad is pressed. To change the setting, press ↟ and use ➡ To toggle beteween On and OFF.

SrES   Option to turn the systems reset function on or off. Leave OFF during system set up and zero and load calibration. Select ON after calibration and before entering the lift into service. To change the setting, press ↟ and use ➡ To toggle beteween On and OFF.

Multi Analog version only

Out   Multi Analog Version only. Select the required Analog output . Refer to page 4 for available outputs

Cal **Load** **Zero**

To begin the system setup press the [Cal] and [Load] buttons together

[Cal] + [Load]

CAL

[Zero]   Press the [Zero] button to enter the zero calibration menu

2Ero

[Cal]   Press the [Cal] button

10

Countdown   The instrument then counts down from 10 to 1 to allow time for the operator to ensure that the elevator cabin is empty

1

CAL   The "Zero" point has now been calibrated and stored.
CAL indicates that the calibration is now complete (remains for 10 seconds)

Press the [Load] button within 10 seconds to proceed to the Load Calibration

Multi Analog version only: See note 3 page 1. After the EWS 102 calibration and setup has been completed, place the the lift at the lowest floor level and rezero following the process on this page, this will finalise the Analog output calibration.

8.8.8.8.

Cal	Load	Zero
⟲	⬆	➡

To begin the system setup, press the [Cal] and [Load] buttons together

[Cal] + [Load]

CAL

[Load]

Press the [Load] button to enter load calibration menu

LOAd

Load Calibration

[Cal]

After placing the known load within the elevator cabin, press the [Cal] Button to proceed.

When the dashes are displayed, set the value of the required load in kilograms. Use the ➡ button to select the required digit (selected digit flashes) and use the ⬆ button to set the required digit value.

➡ | ⬆

For example: Using a known load of 75Kg

75

➡ ➡ ⬆ x 7 ➡ ⬆ x 5

[Cal]

To complete the action, press the [Cal] button

10

Countdown

The instruments then counts down from 10 to 1

1

Upon completion, the screen will display *CAL* for approximately 10 seconds and then the system will return to Operation Mode. The load has now been calibrated.

CAL

8.8.8.8.

Cal	Load	Zero
⟲	⬆	➡

Multi Analog version only: See note 3 page 1. After the EWS 102 calibration and setup has been completed, place the the lift at the lowest floor level and rezero following the process on page 2, this will finalise the Analog output calibration.

`Out`	Analog output Selection (only available on Multi Analog control unit)
	There are seven selectable output ranges available. To view the current value press ➡ then use ⬆ to scroll through output types. Select and save required option by pressing ↻
`4-20`	Output type 4-20mA. 4mA = no load, 20mA = full load
`0-20`	Output type 0-20mA. 0mA = no load, 20mA = full load
`0-24`	Output type 0-24mA. 0mA = no load, 24mA = full load
`0- 5`	Output type 0-5V. 0V = no load, +5V = full load
`0- 10`	Output type 0-10V. 0V = no load, +10V = full load
`bi 5`	Output type +/-5V -5V = no load, 0v + half load, +5V = full load
`bi10`	Output type +/-10V -10V = no load, 0v + half load, +10V = full load

ERROR CODES

CODE	ERROR	CAUSE/SOLUTION
`Err 1`	Sensor Signal Input - Negative	Reverse connection of sensor signal leads
`Err2`	Insufficient Sensor Signal	Installation Error - Contact Garan
`Err3`	Sensor Offset Too High - Positive	Installation Error - Contact Garan
`Err4`	Sensor Offset Too High - Negative	Installation Error - Contact Garan
`Err5`	Trying to calibrate without Control Signal link	Fit link between control signal terminals
`Err6`	Sensor not connected to EWS	Connect sensor/check sensor wiring