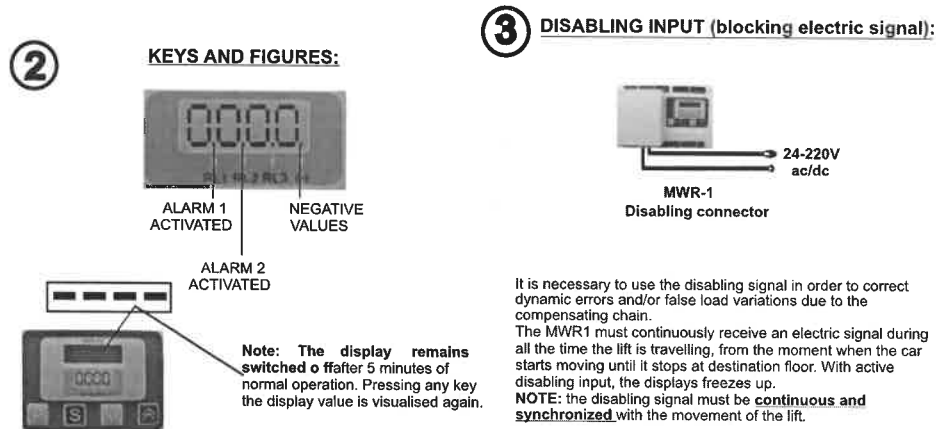
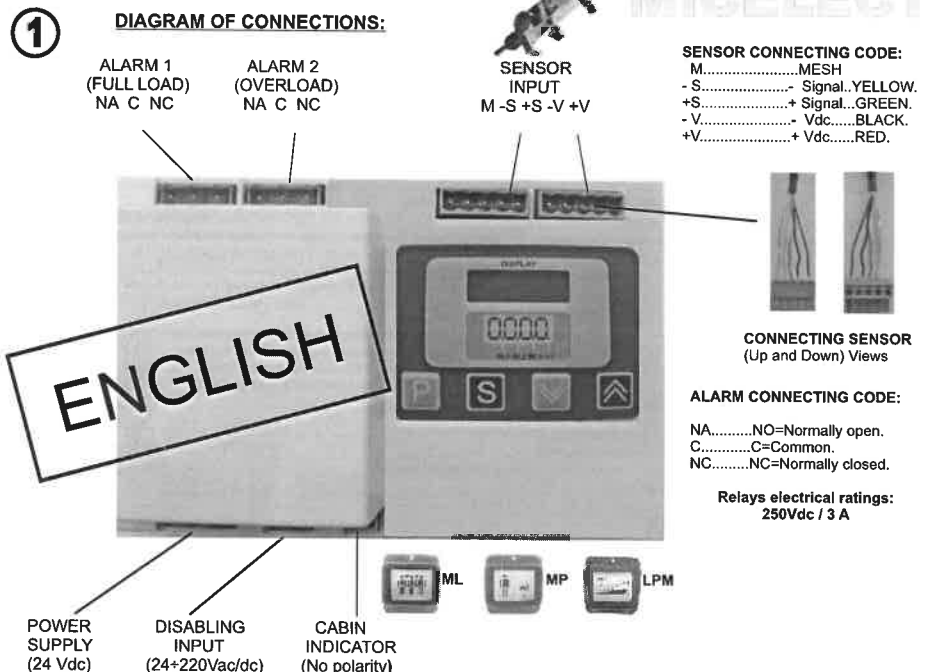


MWR-1 INSTALLATION PROCEDURE: (3 STEPS)



PROGRAMMING KEY "P"

This key allows to go through the different menus in order to perform the settings and to introduce the lift parameters. Once introduced, by pressing the "P" key parameters are saved in eeprom (a non volatile memory to save data in case of power failure.)

EXIT KEY "S"

It allows to leave the menus without saving data in eeprom. In the alarm menus, we go from one alarm to another without going through their parameters.

DOWN KEY "V"

This key enables the user to decrease the parameter values in each menu. It has two speeds; one by one or, if pressed on, twenty by twenty.

UP KEY "A"

This key enables the user to increase the parameter values in each menu. It has two speeds; one by one or, if pressed on, twenty by twenty.

It is necessary to use the disabling signal in order to correct dynamic errors and/or false load variations due to the compensating chain.

The MWR1 must continuously receive an electric signal during all the time the lift is travelling, from the moment when the car starts moving until it stops at destination floor. With active disabling input, the displays freezes up.

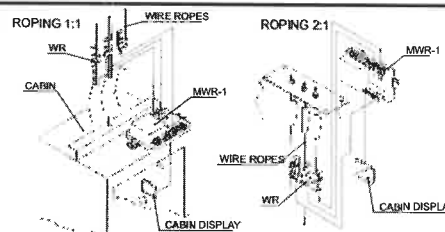
NOTE: the disabling signal must be **continuous and synchronized** with the movement of the lift.

The disabling or blocking voltage can come from the lift controller or any suitable electrical device which is **not part of the safety chain** (ref. EN 81-20).

Voltage range: 24-220V AC/DC

Very important: Any AC signals can be used if above approx. 48 V (max. admitted AC voltage: 230V). Any signal under 48V should be only in DC.

NOTE: The use of MICELECT power supply unit P-FUENTE-001 as disabling input signal is recommended.



CONNECTIONS:

We must connect all the WR sensors in parallel, joining the wires of the same colour, and following the colour code.

MWR-1 PROGRAMMING PROCEDURE: (7 STEPS)

Press the "P" key during 3 seconds to begin the programming procedure.

1 MEASURING UNITS: "KG"

"KG" = Measurement in kilograms.

2 ALARM VALUES: "RELY"

The electronic control unit has two alarms.

Alarm 2 (RL2): It is always assigned to **OVERLOAD**. 100% Total Load.
Alarm 1 (RL1): It can be assigned to **FULL LOAD**. 80% Total Load.

3 ZERO CALIBRATION: "TARE"

Make the zero setting with empty cabin selecting "YES". Pressing the "P" key the equipment begins to flicker for 15 seconds to permit the installer to leave the cabin totally empty.

4 SENSOR CONFIGURATION: "VR"

**** WR (Automatic).**

DIAMETER: dv. the diameter in millimetres of the wire ropes has to be introduced from 8 to 16 and 20 mm.

UNIT: nv. the number of WR sensors installed on the wire ropes must be introduced, from 1 to 12. (every wire rope must have one sensor installed.)

**** HPS (Automatic).**

OPERATING CAPACITY: In order to calibrate the sensors you would have to choose 500 or 1000 Kg from the scale.

NUMBER (nv): In order to calibrate the sensors you would have to choose the number of sensors from 1 to 12.

**** PESO: (LOAD).**

Using this configuration a known weight has to be used to set up the sensor. Place a known weight, which must be - at least - half the useful load. Introduce by means of the keys the weight in Kg. Placed inside the cabin and perform the weight setting.

5 TYPE OF ELEVATOR:

Select if the elevator is a 1:1 direct traction or a pulley system 2:1, 3:1 or 4:1.

6 CABIN INDICATOR: "INDI"

"NO" = No indicator installed inside the cabin.

"PROG" = MICELECT progressive models (MP or LPM).

"BASI" = MICELECT basic indicator ML model or any lighter-sounder system powered by 24Vdc.

7 COMPENSATING CHAIN WEIGHT: "CHAI"

If our installation has a compensating chain we must select "YES".

If our installation has not got a compensating chain we must select "NO".

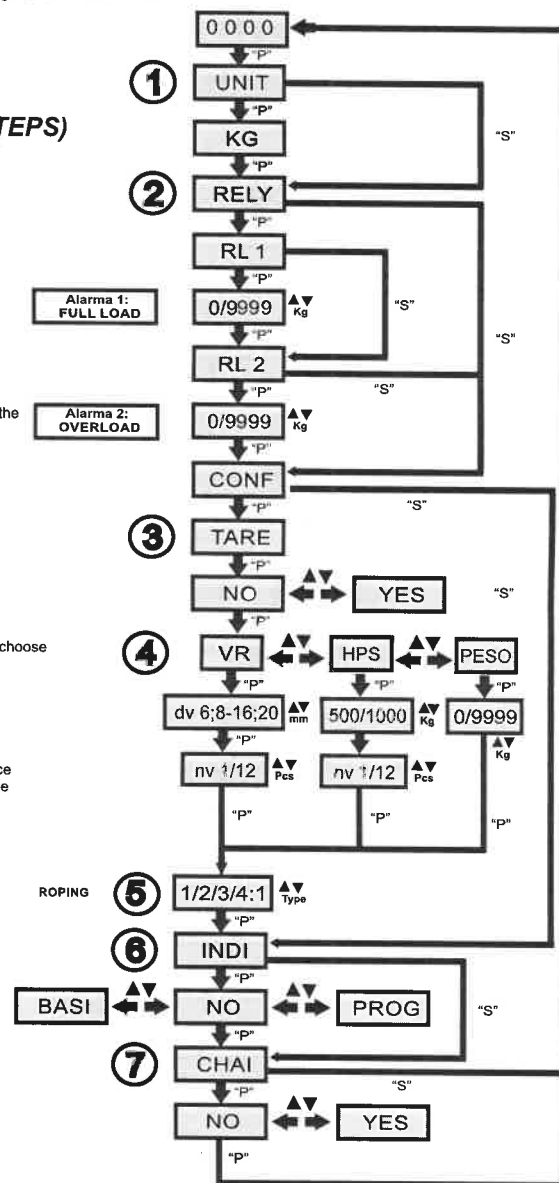
NOTE: If we select "YES" we must be sure that the disabling connector is connected following the diagram of the point 3 of the installation procedure.

ERROR CODES:

ERR1....No saved Data.
ERR2....Overload.
ERR3....Power Supply Low.
ERR4....Negative Known weight.
ERR5....Known weight Low/High.

SOLUTIONS:

ERR1....Make again the settings.
ERR2....Weight > 9999 Kg.
ERR3....Check the Power Supply.
ERR4....Some possible "hooks" wrong wiring sensor. Check sensor colour code.
ERR5....See part 3. Programming procedure "PESO" (Correct useful load).



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