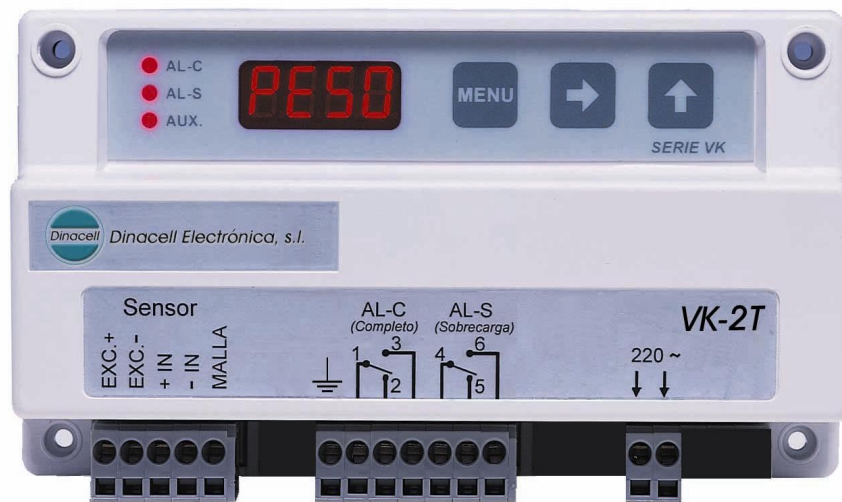# INSTRUCTION MANUAL OF LOAD WEIGHT CONTROL SYSTEM VK-2T

▲ 1. DINACELL load weight control system

▲ 1.1. Dimensions and specifications of the load cell TCA/CN-800

The load cells are specially designed for the installation under cabin base, and they are mounted on the rubber pad silent-block to avoid the transmission of vibrations.

Each one of the load cells is designed for a maximum load of 800 kg, and you can install 4, 6 and up to 8 cells in parallel (máx. 6.400 kg).

All the load cells will be connected to each other in parallel.
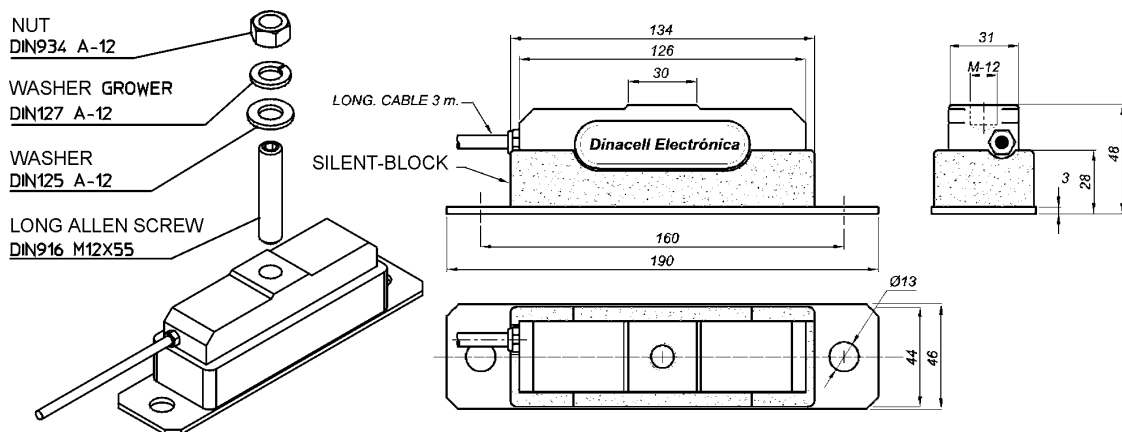
▲ 1.2. Dimensions and connections of the unit control VK-2T

All the load cells are connected to each other in parallel.

Respect the wires color code of the cell .

Connect according to installation outline.
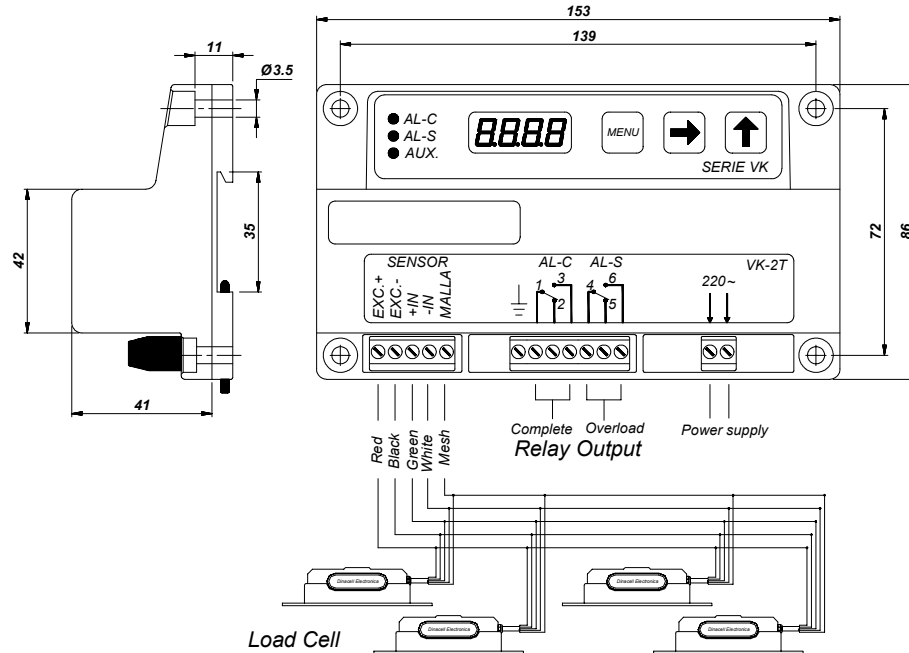
Load Cell

Content:

- 1 Rail Guide DIN (153x35 mm)
- 2 Hexagonal Screws DIN 933 M5x20
- 2 Hexagonal Nuts DIN 934 M5
- 2 Plane Washers DIN 125 A-5
- 2 Washer Grower DIN 127 A-5

▲ 1.3. Programming instructions of the unit control.

Once installed the load cells and connected to the unit controller, you can proceed to the adjustment of the parameters of the unit, in function of the useful load that will be applied on the cabin.

For this here is the following keys to used:

MENU   To go passing a parameter to one another and to memorize the introduced values.

➡   To accede to each digit of the parameter.

⬆   To modify the value of each digit of the parameter..

The steps to continue are the following:

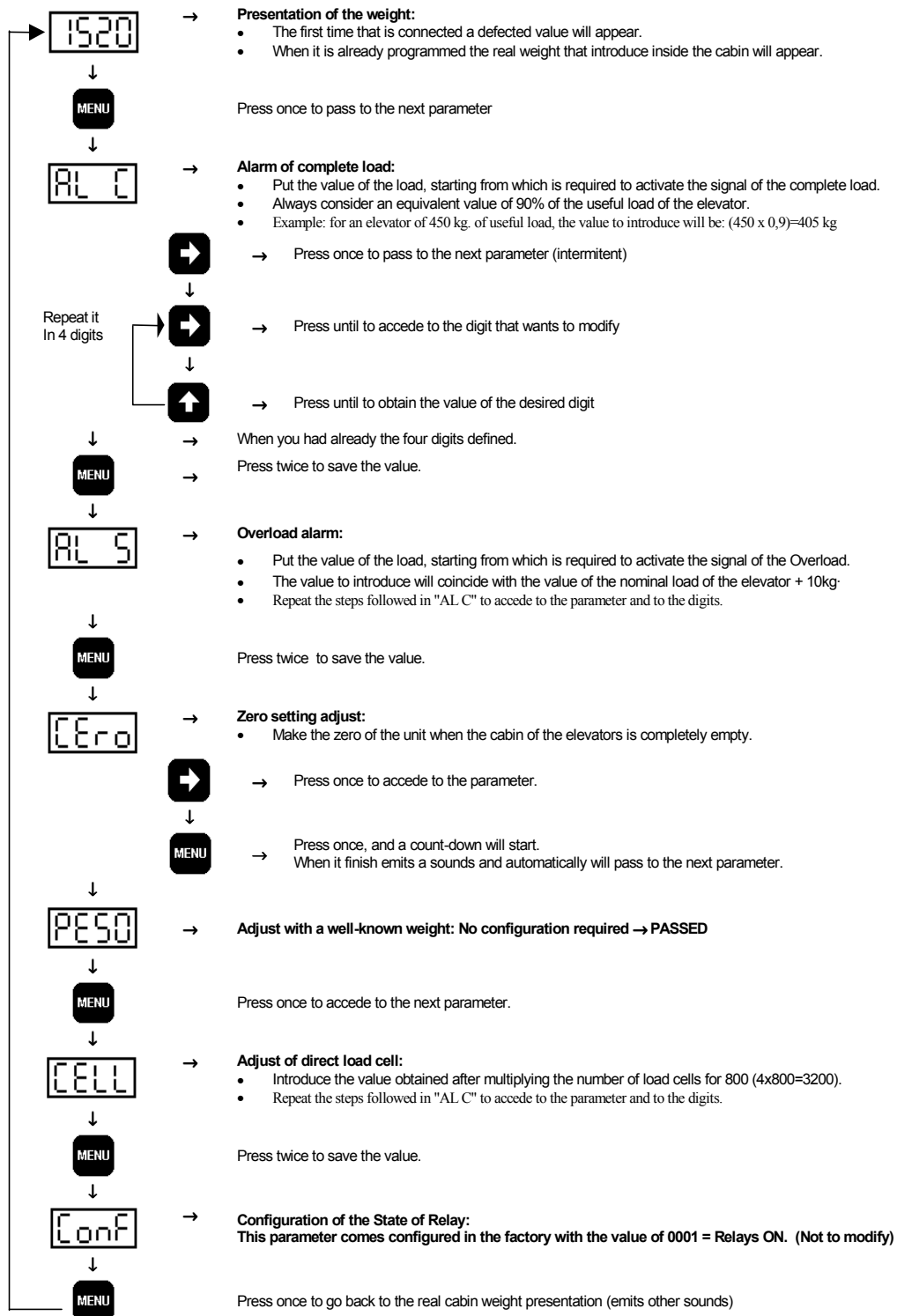|	
1520 →	**Presentation of the weight:** • The first time that is connected a defected value will appear. • When it is already programmed the real weight that introduce inside the cabin will appear.
MENU ↓	Press once to pass to the next parameter
AL C →	**Alarm of complete load:** • Put the value of the load, starting from which is required to activate the signal of the complete load. • Always consider an equivalent value of 90% of the useful load of the elevator. • Example: for an elevator of 450 kg. of useful load, the value to introduce will be: (450 x 0,9)=405 kg
→ →	Press once to pass to the next parameter (intermitent)
→ →	Press until to accede to the digit that wants to modify
↑ →	Press until to obtain the value of the desired digit
↓ →	When you had already the four digits defined.
MENU →	Press twice to save the value.
AL S →	**Overload alarm:** • Put the value of the load, starting from which is required to activate the signal of the Overload. • The value to introduce will coincide with the value of the nominal load of the elevator + 10kg· • Repeat the steps followed in "AL C" to accede to the parameter and to the digits.
MENU	Press twice to save the value.
CEro →	**Zero setting adjust:** • Make the zero of the unit when the cabin of the elevators is completely empty.
→ →	Press once to accede to the parameter.
MENU →	Press once, and a count-down will start. When it finish emits a sounds and automatically will pass to the next parameter.
PESO →	**Adjust with a well-known weight: No configuration required → PASSED**
MENU	Press once to accede to the next parameter.
CELL →	**Adjust of direct load cell:** • Introduce the value obtained after multiplying the number of load cells for 800 (4x800=3200). • Repeat the steps followed in "AL C" to accede to the parameter and to the digits.
MENU	Press twice to save the value.
ConF →	**Configuration of the State of Relay:** **This parameter comes configured in the factory with the value of 0001 = Relays ON. (Not to modify)**
MENU	Press once to go back to the real cabin weight presentation (emits other sounds)

Repeat it In 4 digits

With this quick procedure, we will have perfectly defined the wanted limits of intervention.
Our system, starting from now, it will control instantly the load that are introduced in the cabin and it will provide to our controller the necessary data for the load control.