Dinacell
electronica

Rope sensor for
elevators load control
Serie: **SW-OMEGA**
Ø 8...16 mm

Manual OF Installation

1. Introduction

A load weighing device model SW-OMEGA, groups of active load cell was developed to measure the weight on elevators and freight elevators, as well to control the tension in each one of the cables in an independent way.

In this new sensor whose placement is carried out individually in each cable, that you will find more advantages on the installation.

Advantages of the sensor SW-OMEGA

- Installation and maintenance at low cost.
- Fast and easy to install(*Installation takes only a few minutes,no need to waste time to screws*).
- Flexibility to place in an convenient position.

2. Models of the serie SW-OMEGA

Models	Diameter of the cable	Range of load (standard)	N° of group of sensors
SW-OMEGA1	Ø 8, 9, 10	600 kg/cable	2, 3, 4, 5, 6, 7, 8
SW-OMEGA2	Ø 11, 12, 13	800 kg/cable	
SW-OMEGA3	Ø 14, 15 16	1.600 kg/cable	

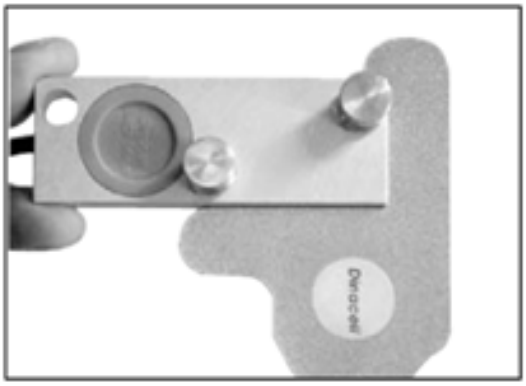
Contents:

a) Sensor SW-OMEGA
b) 3 pins of support (2 fix pins & 1 loose pin)
c) Installation tools

3. Installation of the Sensor SW-OMEGA

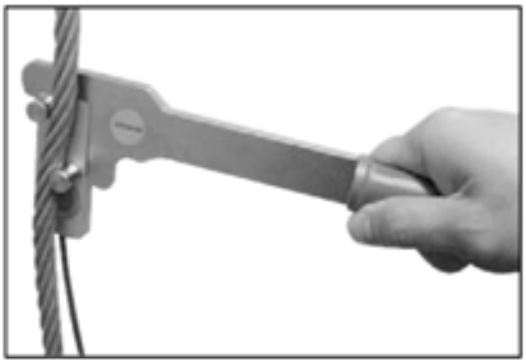
In each cable must place a sensor.

The sensor has 2 fixed pins on it and once it is already place on the cable, the last pin must be introduce.



Step 1

You could place the sensor on the tools or put directly the sensor on the cable and hold it by the tool.



Step 2

Now fit the sensor on the cable and start to bend.

Step 3

Then once the hole of the sensor is already at sight, introduce the third pin on the hole.

Step 4

Finally upon introducing the last pin, the sensor is now ready to function.

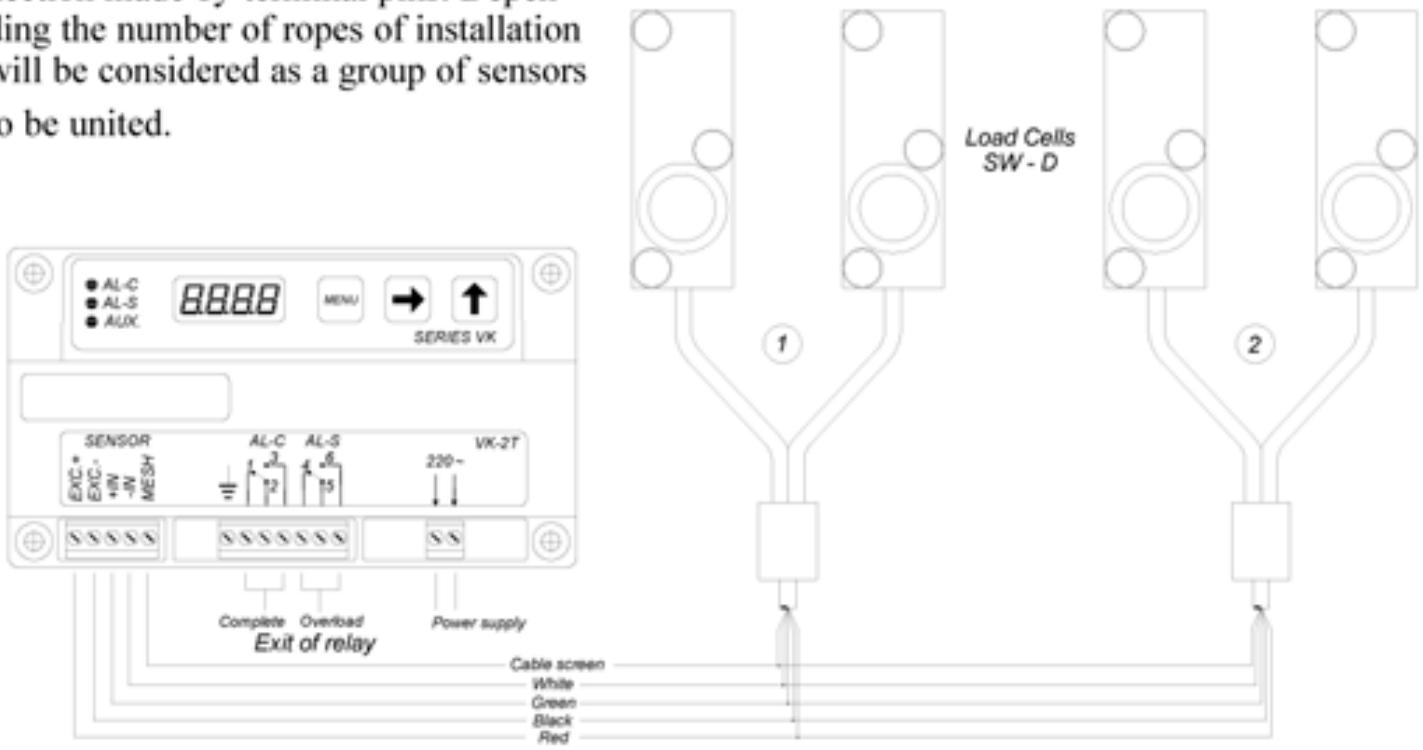
Same procedure must be repeated to install the other sensor.

Note: The Sensor could placed in the position that you considers more suitable. You have to avoid the crash of one against the other.

Step 5. Connection of the sensor (SW-OMEGA) to unit control (VK-OMEGA)

Connection of the sensor (SW-Omega).

The SW-Omega has a special wire connection made by terminal pins. Depending the number of ropes of installation will be considered as a group of sensors to be united.



Once the sensor is already connected to the unit control VK-Omega, you could start to calibrate the unit (*Please look at the manual instruction of the unit VK for the calibration process*).

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