

LIV-200

Electronic Digital Level Single-axis

This device "LIV-200" is an instrument at one axis fitted to an automatic levelling for any system in motion equipped of hydraulic and electric ram for tractors, machines for agriculture and mobile floors, against danger of excessive inclination after operating up inclined land.

By the continuous monitor of the axis of the machine, the system, once reached the programmed data, provides for working the on/off valves or proportional valves that take any machine in a correct position to guarantee safety.

The device is very useful for all the machines working in vertical way and on disconnected ground, for example platforms for harvesting, for the control fertile-irrigation bars and mobile floors, etc.

TECNICAL CHARACTERISTICS:

Supply Voltage:.....Model 12V (7V/15V)
.....Model 24V (15V/30V)
Supply Current:.....200mA
Operating Temperature Range:.....-40+85°C
Sensitive:.....0,1°
Mean Error:..... 0.1°
Accelerometri 3 Axis X, Y, Z:.....2

Output:

1. Relay valves 1 :.....max current 8A
2. Relay valves 2:.....max current 8A
5. Output CANBUS
6. Signal Analogic inclination axis X:.....0 - 10V
or 0 - 5V
7. Signal Analogic inclination axis Y:.....0 - 10V
or 0 - 5V
8. Segnal Digital:.....open Collector



Programming

by software Gamma Suite and with interface USB –SPI :

Learning automatic of the zero level

Selectable Output signal analogic (5V o 10V)

Gaing of signal analogic

Angle of open relays valves 1

Angle of open relays valves 2

Measure of angle in Real Time

Metal box :.....100x100x59

Protection :.....IP66/67

**PRODUCT IN COMPLIANCE WITH EUROPEAN DIRECTIVE
RHOS 2002/95/CE
Certification CE**

Product code : F00193



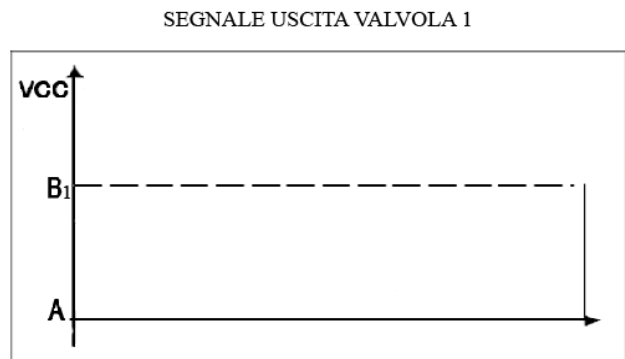
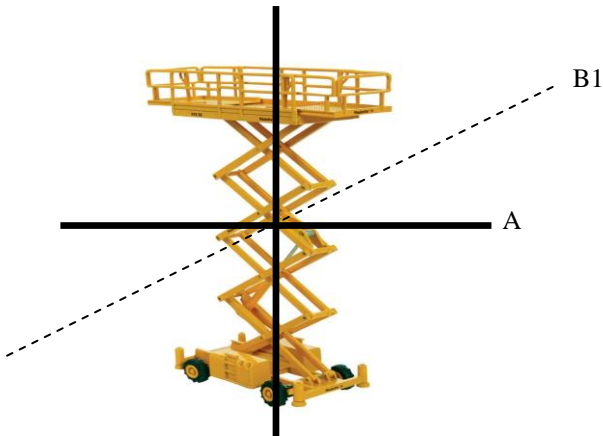
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EXAMPLES OF APPLICATIONS

Like in the example brought back in the tractor up, the same technology can be applied on varied blots some, like Undercarriages Telescopic Elevators, Tractors and Scissors Platforms.

- To hold a correctly position to Scissors Platforms



Automatic levelling to travelling loading platform



Automatic levelling for fertilize irrigation system



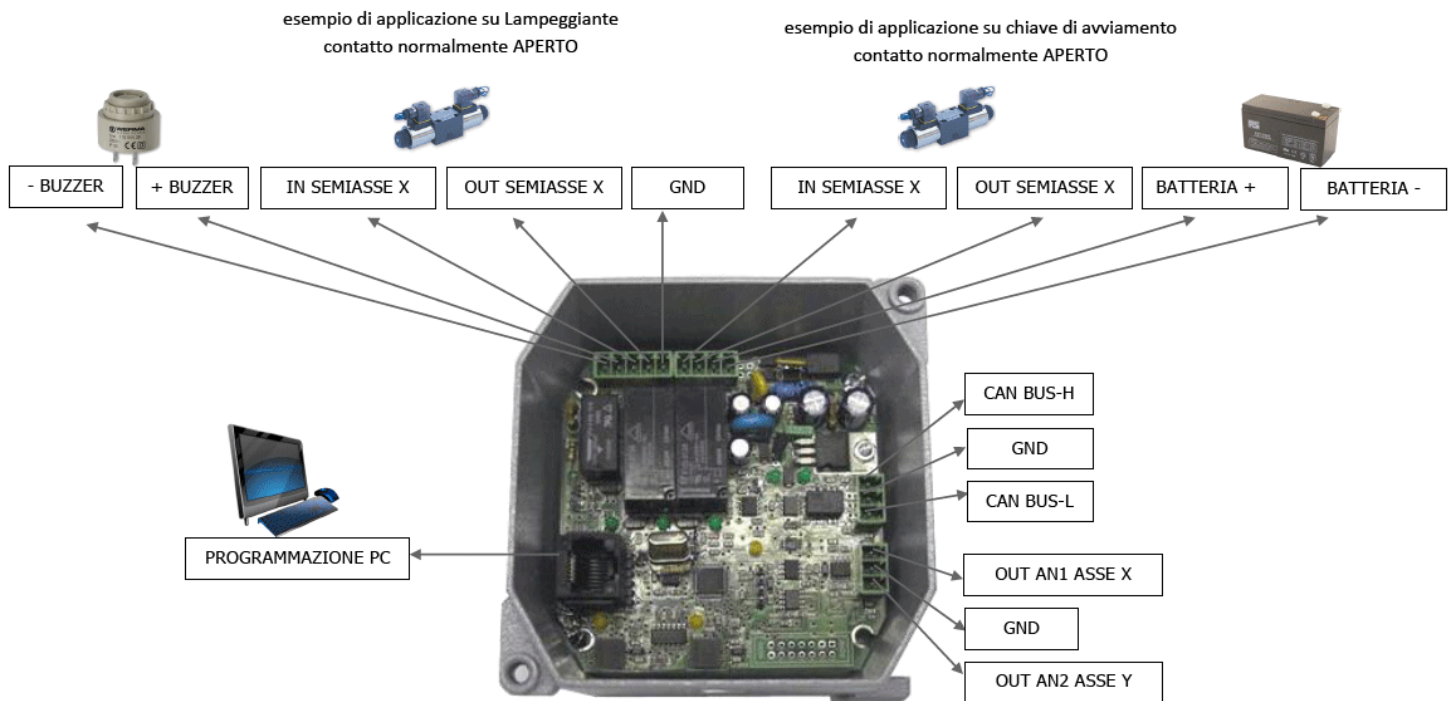
Automatic levelling for columns drills



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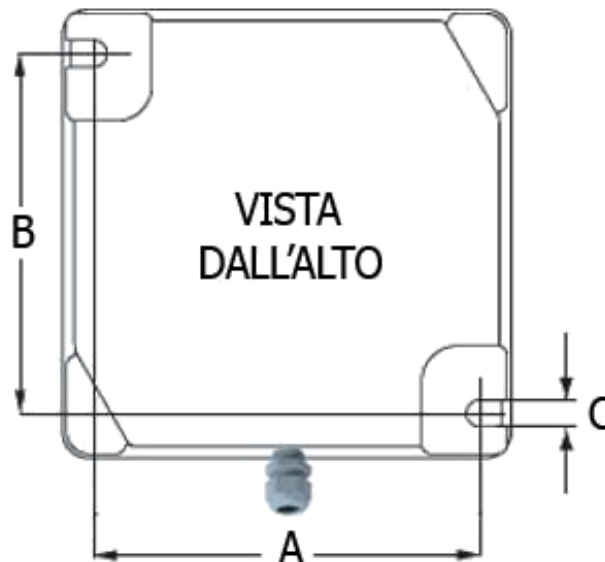
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WIRING SYSTEMS :



MECHANICAL CHARACTERISTICS at mm :

A = 86mm
 B = 80mm
 C = 06mm





Unify Electronic
Design and Engineering
Electronic Equipment

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The company is responsible in no accidental error which might be found in this document and reserves the right to modify the description and the data without notice.



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