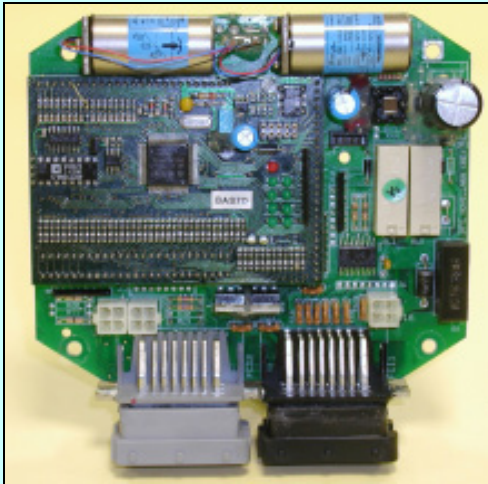




# Automatic levelling of outrigger stands

## LLD 400 M53Lo Series



### Description

Electronic board with microprocessor and second monitoring processor, able to automatically stabilize and level a vehicle on two axes. The board is equipped with autotest option for the logic functions, board functions and sensor wiring. Calibration can be carried out via RS-232 connection and to preprogrammed values. Can operate with digital inputs/outputs for accessory functions.

By directly piloting ON/OFF solenoid valves, the board can handle cross-member extension and stand lowering. Once its sensors have ascertained that the stands are in position, the stabilizing and levelling process begins by detecting the data received by the two sensors that establish the level.

Stand and cross-member retraction can also be handled.

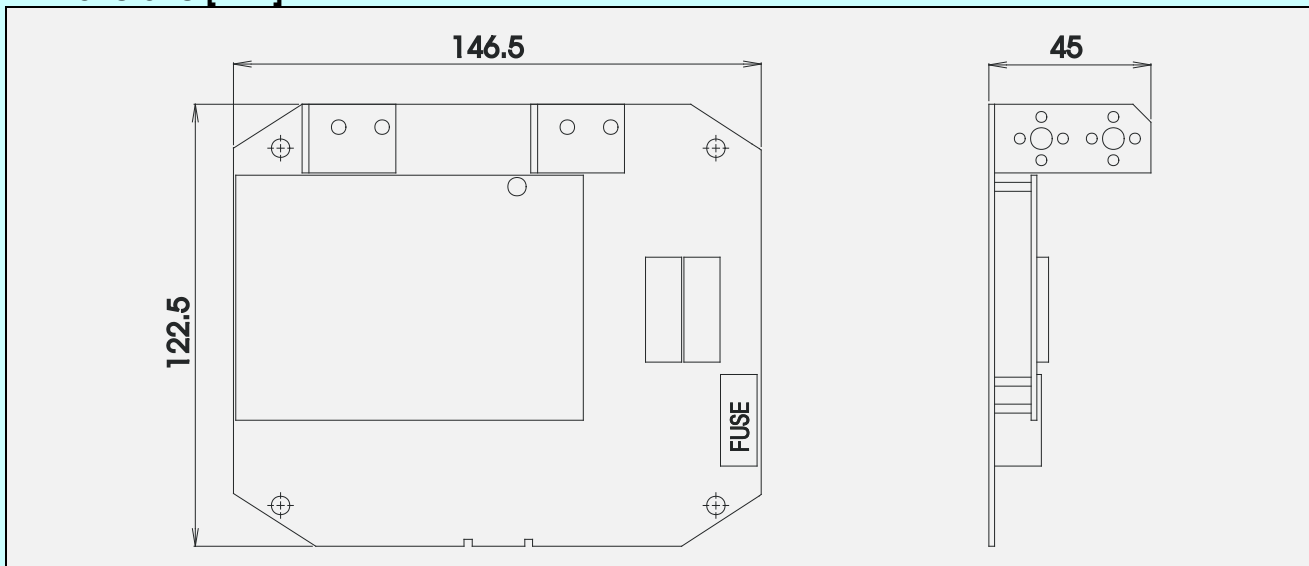
The relay output signals when correct levelling has been obtained.

Safety: Category 2 (EN 954-1).

### Technical data

Power supply	9 to 33 Vdc	-
Digital inputs	20	Impedence = 4.7 K $\Omega$
Analog inputs	four 4 to 20 mA or 0.5 to 4.5 Vdc types	-
Power outputs	8	Positive, with protection against short circuits. Imax = 1.4 A if all are activated at the same time Imax = 3 A if activated individually
Power outputs in safety status	1	Double relay type with feedback. Imax = 4 A (Cat. 2)
PWM power outputs	2	Positive, with protection against short-circuits. Imax = 1.4 A
CAN connection	optional	-
Programming/check-control	RS-232	Via Psion™ or Personal Computer
Operating temperature	-40 to 70 °C	-
Standard protection grade	IP55	In BPE box measuring 166x125x64

### Dimensions [mm]



It is prohibited to use this apparatus/accessory until the machine onto which it is mounted has been declared in conformity with the Machine Directive 98/37/EEC.

BPE Electronics Srl should modify technical data without advise

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