



***CAN BUS global control
for access platforms***

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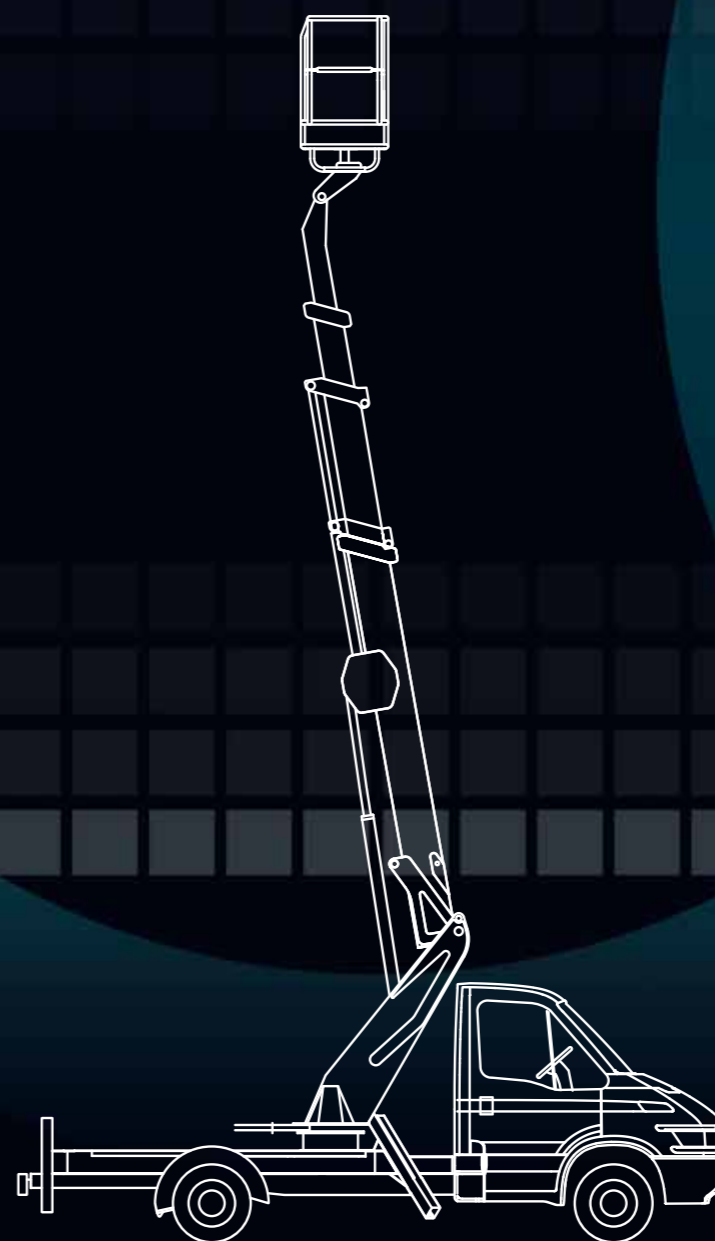


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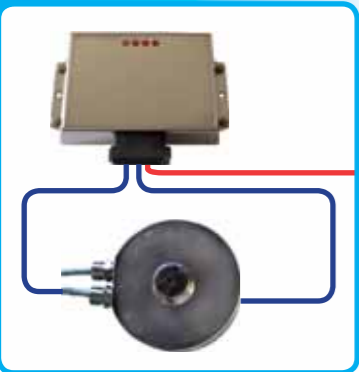
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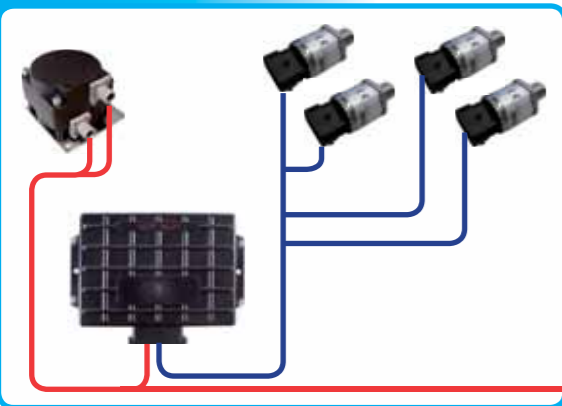
Levelling and redundant limitation of the load in the basket

CLIO



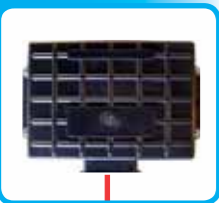
Redundant moment limiter

SAX



Self-levelling on outrigger jacks

MIBOX



Command control unit

SKY CONTROL



Redundant geometric limiter

ACQ-UMAX



"BLACK BOX" optional unit for event recording, maintenance program, data transmission on GPRS network, GPS localization

3B²



Conforms to Machine Directive EN280 specific for Access Platforms, level IV. Each component may be used individually and may be subject of further integration. Immediate plug in on CAN based Network and connections of all machine parts via single 4-pin cable with automotive connector for wiring economization. In conformity with the prescription of the Electronic Compatibility called "Heavy Duty Industrial Environment". All components are IP65 or higher rated.

SKY CONTROL

Central Command for Platform, provided with Joystick for the command of proportional movements, including the device of visualization and command of the turret. Only a single 4-pin cable for the connection with the turret is needed. Upon request, with long boom insulated machines, SKY CONTROL is available for data transmission on optical fiber.



CLIO

An innovative device that incorporates the two main functions of the platform: Self-Levelling proportional command and Redundant Load Limitation. All in a single and compact device, you will find the direct command of the hydraulic valves, connection to the CAN network and PWM output alarms, plus the double block for the conformity to the norm EN 280. Direct PWM output (proportional valves) or voltage (Danfoss plant). Load cell and double extensimeter available in various configurations to fit the platform mechanics.



SAX

Redundant Moment Limiter with cross check. Made off a double processor main unit (Level IV of the norm EN280), and pressure transducers for the control of the differential pressure in the main lifting cylinder. Boom inclination static sensor; accelerometric type capable to handle vibration up to 50.000 g.



MIBOX

Positioning and Self-Levelling compact device for the vehicle on outriggers. The device includes automatic circuit control and planarity sensor of accelerometric type with resistance up to 50.000 g. When the machine is positioned, the device enables the Boom Commands. The outputs are programmable either for ON/OFF or proportional valves.



ACQ - UMAX

UMAX is a main unit "MASTER CAN BUS" with Freescale dual microprocessor; ON/OFF - analog voltage inputs and ON/OFF - PWM voltage outputs. The application is specific for light access platform units as redundant geometrical or moment limiter device and as main dual processor system for advanced plants conforming to LEVEL IV of the EN280 standard. ACQ is the cable reel and it is very important to measure boom lengths on telescopic cranes, basic information for any load limiter or over tipping control system. ACQ installs internally an accelerometer sensor; used to measure boom length, another basic information for load moment calculation. In order to be installed on aerial platforms, ACQ can have double length potentiometer and double angle sensor; to fulfil actual required standards. This device is also available with CAN-BUS.



3B²

Data logging management unit with detection, storage, GPRS data transmission and GPS localization features: the ideal completing unit for electronic control plants on rental machines fleets. The unit is completely compatible with 3B6 CAN BUS systems and also available for retrofit applications. 3B²TM allows the remote management of machines fleet detecting improper use, administration and safety anomalies by remote monitoring systems making available the position and the state of the machines on specific maps by Internet link.

