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Reachstackers

Electronic Motion & Controls Division



ENGINEERING YOUR SUCCESS.

Electronic controls and solutions for reachstackers

Parker – an experienced partner at your service

Market Knowledge and Solutions

Parker's commitment to the reachstacker industry is clearly demonstrated by the products, the solutions, and the customer service provided. Parker has successfully integrated products that address the needs of reachstackers for over 30 years. Innovative products like control systems monitoring COG and LMI (Load Moment Indicators) are just a few examples adding value to the customers.

Value in Use

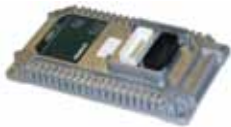
Parker has dedicated teams of specialists working globally to design systems, sub-systems and solutions to meet the most demanding requirements. Among the many immediate value adding benefits realized are; increased productivity, reduced production time, reduced fuel consumption and emissions, and reduced down time.

Certified Electronics

Parker offers comprehensive control systems specifically designed for the mobile industry, fulfilling the latest standards for safety and environmental protection. User-friendly application software tools are used to build up the complete system. The modules communicate via CAN bus, allowing different gateways to other systems. All of Parker's extensive knowledge and experience in motion control on mobile units is built in, providing optimum control and flexibility as well as on-board and remote diagnostics capabilities.

VMM3120 control module with CAN

provides high I/O count for spreaderbar functionality. The integrated CAN ports allow for reduced wiring down the boom, for lower installation costs, and reduced wire harness costs.



FP2000 and FP3000 ferrous proximity switches detect spreader bar position to assist in rapid change over from 20 to 40 foot containers.



RS70 dual output rotary position sensor, with redundant signals for added safety, measures boom angle for load moment indication (LMI)



PHD display family are rugged, general purpose displays offering full color, touch capable screen with built in CAN and I/O. The PHD displays offer a robust design to withstand the conditions found on today's mobile, off-road equipment.



The IQAN-MC4x is a family of master controllers in the IQANdesign platform. There are 3 versions that can be used in different ways to meet the requirements of any system.

- MC41 for cost efficient task oriented control
- MC42 mid-size applications and I/O distribution
- MC43 large centralized control saves valuable space



RM50 tamper resistant tilt switch indicates hood or access panel position to lock out functions for safer machine maintenance.



Compact linear lever LST offers smooth auxiliary control function with a small footprint on the operator console.



LC5 CAN based joysticks for smooth and efficient operator control.





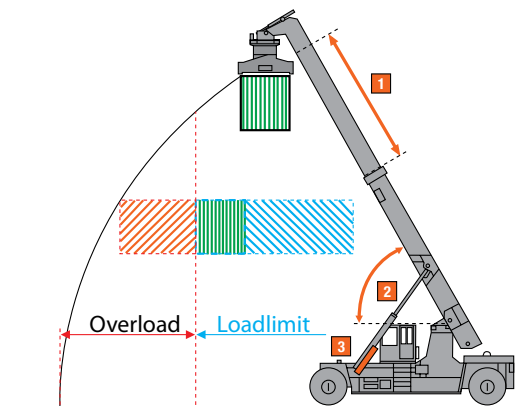
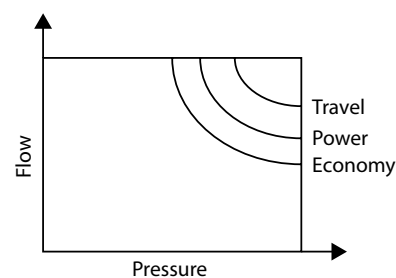
When rotating the container or lifting the boom with the container in a rotated position; there is some risk of damage to the boom or container. Adding a rotary sensor in the spreader slew ring will avoid any interference.

Control System, Summary

- Remote diagnostics
- Simple fault finding
- Logging functions
- Variable geometry configurations
- Smart lifting
- Quieter operation
- Cylinder end damping
- Reduced power consumption
- Limp home functions
- Load dependent ramps
- Simplified controls
- Modular system architecture

Horsepower Control

- Engine RPM
- Hydraulic pressure



Load Moment Indication/Weighing Sensors

- 1 Length sensor
- 2 Angle sensor
- 3 Pressure sensor

Engineering Your Success

With intelligent and innovative solutions.



Whether for off-highway equipment or over the road truck and bus applications, Parker's Electronic Motion & Controls Division offers full system solutions and products to fit your needs. With worldwide engineering and manufacturing capabilities, the Electronic Motion & Controls Division has the experience, skills, and capabilities to provide solutions for virtually any mobile electronic application.

If you would like to discuss your mobile electronics applications, and how Parker's Electronic Motion & Controls Division can offer you a competitive advantage, please feel free to contact us.

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