APPLICATION NOTE



SENSATA JOYSTICKS AND ROCKERS IN LIFT TRUCK CONTROLS

Background

Lift trucks are commonly used to move equipment in warehouses – this requires very accurate and ergonomic operator control systems. Moving materials high in the air requires high resolution reliable control systems designed for the application. Sensata joysticks and fingertip solutions provide the accuracy, safety, and durability required for lift truck applications.

Designed for both heavy duty industrial and off-road (rough terrain environments), AR3 and AR5 Analog Rockers and SR3 Switch Rockers help provide tacticle feedback when engaging the switch.

Sensata offers two families of analog rockers for multifunction grip and dashboard applications. In Lift Truck applications, analog rockers are used to create fingertip operator control assemblies which help improve the ergonomics for the operator. For example, replacing traditional lever controls with Sensata's AR3 or AR5 Analog Rockers will reduce repetitive arm and upper body stresses on the operator, and requiring significantly less force. The AR5 Analog Rocker can also be modified to provide mechanical detents and latching as added features providing ergonomic benefits.

Solution

High mechanical strength, flexibility, and a unique sensing design for high performance under rigorous conditions

Sensata's joysticks, switch rockers and analog rockers, provide a complete solution for operational control of lift trucks.

AJ3

Sensata's

and AJ11 joysticks provide the reliability and long life required in demanding industrial environments. They combine Hall-Effect technology with high mechanical strength, flexibility, and a unique sensing design for high performance under rigorous conditions. In lift truck applications, the AR3 and AR5 rockers can be used to control the position of the mast; a movement that is proportional to the actuation angle of the joystick to provide intuitive control.

Our joysticks are designed to accommodate both standard and custom-designed multifunction grips. These grips may contain



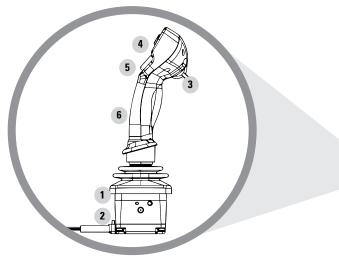


RECOMMENDED PRODUCTS

Reference on Diagram	Product	Туре
1	AJS	B Dual Axis Joystick
2	AJ11	Single Axis Joystick
3	ARS	Analog Rocker
4	SR3	Switch Rocker
5	ARS	Analog Rocker
6	\$1,\$3,\$4,\$6,\$7	Multifunction Grips



LIFT TRUCK OPERATOR CONTROLS





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