

## 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.

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

### Solution

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

Sensata's AJ3 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







AR3 and AR5 Analog Rockers and SR3 Switch Rockers that help provide tactile feedback when engaging the switch, designed for both heavy duty industrial and off-road, rough terrain environments.

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



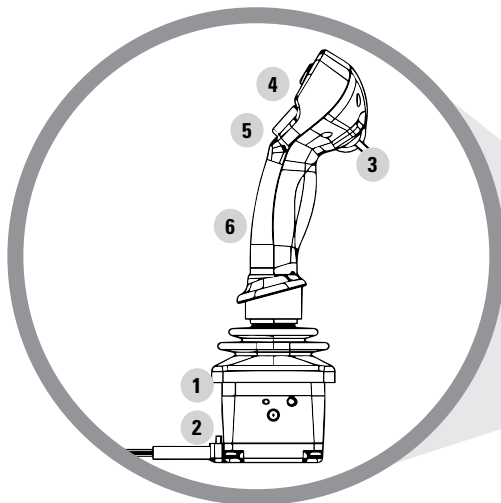


## RECOMMENDED PRODUCTS

Reference on Diagram	Product	Type
1	 AJ3	Dual Axis Joystick
2	 AJ11	Single Axis Joystick
3	 AR3	Analog Rocker
4	 SR3	Switch Rocker
5	 AR5	Analog Rocker
6	 S1,S3,S4,S6,S7	Multifunction Grips



## LIFT TRUCK OPERATOR CONTROLS



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