

Truck Dumb Body Lifting Sensor



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About Us

SR Vision Enterprises delivers DGMS-compliant, technology-driven safety solutions for mining, construction, ports, and warehouses—enhancing safety, efficiency, and operational excellence even in extreme environments.

Our Vision

To deliver maximum customer value through reliable and innovative safety solutions.

Our Mission

To lead in futuristic safety products that set new benchmarks in protection and performance.



Truck Dumb Body Lifting Sensor

The **Body Lifting Sensor** is an advanced safety device designed to prevent accidents caused by unintended vehicle movement when the dumper body is raised. Built using **Surface Mount Device (SMD) technology**, it features a **solid-state proximity sensor** with an integrated LED for easy alignment and adjustment.

The sensor assembly includes a **microcontroller-based control unit** that is fully **encapsulated** to ensure resistance against **vibration, water, and dust**, making it ideal for harsh industrial and mining environments.

The system operates through a **three-wire connection**—power supply, ground, and alarm output. Upon detecting that the dumper body is lifted, the sensor immediately alerts the operator via a **human voice warning** announcing “**डाला ऊपर है**”, along with a **bright LED indication** for enhanced visibility.

This product significantly improves operational safety, reduces the risk of equipment damage, and supports compliance with safety standards in heavy-duty vehicle applications.

Specification's

Parameter	Specification
Supply Voltage	10 – 30 V DC
Load Current	250 mA (Maximum)
Ambient Temperature	Maximum up to 70°C
Sensor Size	M50
Mounting Type	Non-Flush
Sensing Distance	20 – 30 mm
Output Logic	PNP, Normally Closed (NC)
Cable Length	7 Meter, PVC, 3-Core
Leakage Current	Less than 1 mA
Enclosure	Cylindrical Threaded Metallic
Enclosure Material	Nickel-Plated Brass
Protection Class	IP67 (with Check Nuts)
Target Material	Mild Steel