

Lubricating Engine Oil Level Switch (MS313100 Series)

Model: MS313100 / FH-CSD Series

Product Overview

High-temperature point level switch detecting critical low engine lubricating oil and hydraulic reservoir levels in trucks, generators, and construction machinery.

Key Features

- Solid-state capacitive or thermal probe with high oil-slosh damping
- High temperature endurance up to +150°C continuous oil submersion
- Direct engine block screw-in installation with M14/M16/M18 threads
- Built-in 5-second switch delay preventing false alarms during vehicle cornering
- Sealed IP67 automotive connector interface

Typical Applications

- Automotive & Commercial Vehicles
- Industrial Machinery & Automation
- Electric Vehicles (EV & FCEV)
- Safety Interlocks & Control Systems

Technical Specifications

Parameter	Specification / Technical Value
Operating Voltage	12V / 24V DC automotive electrical system
Switching Current	Max 0.5A (Open collector or relay driver)
Switch Delay	3 to 5 seconds slosh filter
Fluid Temp	-40°C to +150°C
Thread Connection	M14x1.5 / M16x1.5 / M18x1.5
Protection Rating	IP67 / IP69K