

Off Highway Safety Solutions

SI-1 SLOPE INDICATOR



EARLY WARNING SYSTEM **YOU CANNOT AFFORD TO IGNORE**

Operating off-highway machines can be dangerous, with many documented cases of operators overturning machines and causing serious injury and even death. Despite an increasing focus on health and safety through the adoption of risk assessments, method statements and safe working practices, accidents still happen.

Owners of off-highway machines have a duty to ensure that their operators are provided with clear indications that they are using the machine within the safe operating limits prescribed by the manufacturer.

The Emolice Si-1 Slope Indicator is an audio visual warning device designed to be used on off-highway machines such as site dumpers, mowers, tractors, excavators and other machines where there is a risk of the machine overturning.

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Specification

Supply Voltage	+12 / 24 VDC
Display	Dual 7 segment, high visibility Display for pitch and roll
Alarm Range	Amber (user defined), Red (user defined), 5-45 degrees
Environmental Rating	Water (IP66) and UV resistant
Operating Range	+/-45 Degrees Maximum
Operating Temp. (C)	-20 to +55 degrees
Compact Dimensions	117mm x 90mm x 35mm
Mounting	Simple 3 step, retrofittable

SLOPE INDICATOR SI-1

The Emolice Si-1 Slope Indicator is an audio visual warning device designed to be used on off-highway machines such as site dumpers, mowers, tractors, excavators and other machines where there is a risk of the machine overturning on banks or gradients. It continuously measures the roll (side to side) and pitch (front to back) movement of a machine and alerts the operator audibly and visually when the maximum safe working angle is approached and exceeded.

KEY FEATURES



Safety Relay on Alarm For Attachments

- ▶ On board relay allows optional cutout of power to attachments such as cutters and flail arms when the red alarm is triggered.
- ▶ Once triggered, power is restored to the relay through user intervention by pressing a button to restart.

Programmable Visual Alarms

- ▶ Red alarm threshold can be set between 5 and 45 degrees
- ▶ Amber alarm is triggered at 75% of red alarm threshold.
- ▶ Selectable alarm sensitivity prevents false alarms such as when mounting kerbs or during loading.

Programmable Audible Alarms

- ▶ High pitched audible alarm triggered at red threshold which can be heard above engine noise and whilst wearing ear defenders.
- ▶ Anti-tamper prevents alarm settings from being changed by unauthorised persons.