



## **ROLLOVER SENSOR**



## ROLLOVER SENSOR FOR SWITCHING OFF THE **ON-BOARD ELECTRONICS IN TRUCKS**

The rollover sensor ST RS 1224-10 from Safety Trucks is a measuring device with an electronic sensor (also called rollover sensor) that measures the inclination of the vehicle. The integrated electronics for signal processing switches off the on-board electronics of the truck as soon as a certain inclination of the vehicle is reached. The sensor can be freely programmed to switch off the on-board electronics at which angle of inclination, after which time period and for how long.

## **FURTHER APPLICATIONS**

The tilt switch is thus used for one- and two-dimensional monitoring of tilt angles in the range between ±180° or 0.... 360°. It is used in trucks (with hazardous goods), but also in agricultural and forestry machinery, commercial vehicles, motor sports cars, boats and yachts, cranes and hoists, industrial plants, solar thermal systems and photovoltaic systems.

The tilt switch is pre-programmed so that it switches from 45° and uses a relay to disconnect the on-board electronics from the battery. Optionally available is also the programming adapter, with which the switching thresholds and switching times can be individually configured. The switch can also be programmed by us according to your wishes.

Also, the function of the two switches (X and Y axis) can be freely programmed. You can program them within a few seconds to NOC "Normally **Open Contact" or NCC "Normally Close** Contact". So you have all variants possible.

cargo can ignite and even explode. In addition to endangering the truck driver and other road users, environmental pollution also increases in such situations.

A TILT SENSOR CAN SAVE LIVES IN

The purpose of the rollover sensor is to detect dan-

gerous angles of inclination, such as tipping over or

rollover, to provide a signal to stop the engine,

disconnect the battery, and turn off all consumers.

This can prevent vehicle fires and protect human

lives. Unfortunately, it happens again and again that

fatalities are claimed in accidents involving trucks

or within other areas of application because they

cannot leave a burning vehicle in time. A particu-

larly dangerous situation arises when transporting

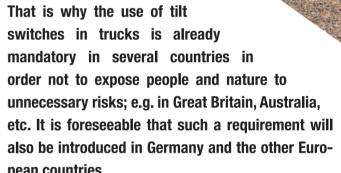
dangerous goods, such as petrol, diesel, petroleum,

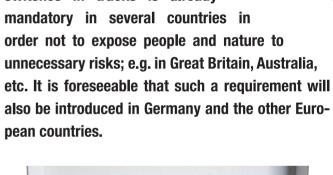
all other explosives, (toxic) gases, corrosive and

radioactive substances, flammable substances,

organic peroxides, etc.. This is because the entire

**DANGEROUS SITUATIONS** 







- 1. Rollover Sensor DC 12V/24V
- 3. Mounting bracket with articulated function
- 4. Operation manual and wiring diagram

