



SAFETY TRUCKS ELECTRONIC CO.



SAVING

LIVES AND ESTATES
WITH ROLLOVER SENSOR
AND INCLINATION SWITCH.



SAFETY TRUCKS
with

ROLLOVER SENSOR



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 $\pm 180^\circ$ or $0 \dots 360^\circ$. 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.

dangerous situation

A TILT SENSOR CAN SAVE LIVES IN DANGEROUS SITUATIONS

The purpose of the rollover sensor is to detect dangerous 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 particularly 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 cargo can ignite and even explode. In addition to endangering the truck driver and other road users, environmental pollution also increases in such situations.

That is why the use of tilt switches in trucks is already mandatory in several countries in order not to expose people and nature to unnecessary risks; e.g. in Great Britain, Australia, etc. It is foreseeable that such a requirement will also be introduced in Germany and the other European countries.



Scope of delivery:

1. Rollover Sensor DC 12V/24V
2. Connection cable 5m
3. Mounting bracket with articulated function
4. Operation manual and wiring diagram

