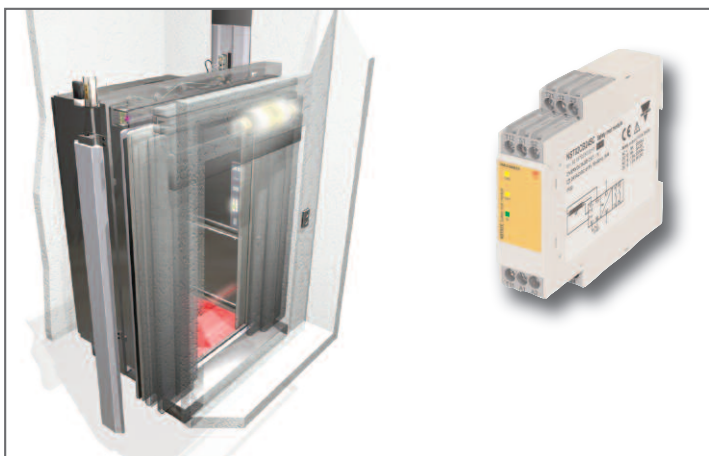


# CG APPLICATIONS

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**Application Note:** April 3<sup>rd</sup> 2009

**Market involved :** Lift & Escalators

**Product :** NST02C Safety module for sensitive mat monitoring

**Customer :** Lift manufacturers and lift owners

**Subject :** Maintenance men safeguard in lift shafts

## CUSTOMER ISSUE :

The actual trend is manufacturing "Machine-roomless" elevators.

This means that when the cabin of the lift arrives at the last floor the distance between the cabin ceiling and the top of the lift shaft is very short.

Such a situation is very dangerous and has been already the cause of some maintenance men deaths, which were working on the ceiling after the cabin accidentally moved.

## OUR SOLUTION:

One sensitive mat is placed on the lift ceiling: as long as the mat is activated (operator on the top), the safety circuit of the module NST02C, monitoring the status of the mats, prevents the lift from moving, avoiding therefore any risk of injury.

With the same purpose, one NST02C monitors one safety mat placed on the pit of the lift vane.

## ACHIEVED BENEFITS:

- No more accidents involving the maintenance men.
- No more legal troubles for the lift owners and lift manufacturers in case of injuries.
- New and existing applications can easily reach the needed safety level.
- Performance level "d" according to EN 13849-1:2007.

