

CG APPLICATIONS

CARLO GAVAZZI



Application Note: November 21ST 2007

Market involved : Lift & Escalators

Product : DIA01

Customer : ---

Subject : Light monitoring in underground lift cabins

CUSTOMER ISSUE :

Artificial lighting is extremely important in lift cabins, especially if it is the only light source.

For example, in underground lift cabins it's essential to be advised if a lamp breaks and consequently the light intensity decreases.

The particular environment in fact causes people to be alert and worried if any signal of possible danger occurs.

It's therefore necessary to plan a system able to signal promptly this malfunctioning.

OUR SOLUTION:

Using our current monitoring relay DIA01, it's possible to check any breaking of the lift cabin lamps by monitoring the mains current flow.

Any lamp break causes an increase of this parameter easily and quickly detectable by DIA01.

The output relay of the unit will be activated as soon as the over-current condition is detected.

ACHIEVED BENEFITS:

- Management of the right light intensity in the lift cabin.
- Decrease of potentially alarming conditions for underground users.
- Security protection.
- Prompt alarm signalling to maintenance people and consequent speed of intervention.

