

... for a safe journey
in elevator cars without
car doors.



cegard/Lift LI

Testable safety light curtain for
elevator cars without car doors



ISO 9001: 2000

Description

The protective light curtain **cegard/Lift LI** is designed to be installed in elevators where the elevator car has no doors. It is approved by TÜV in Germany according to the TRA 200, which specifies a type 2 ESPS (electro-sensitive protective system with integrated self-testing).

cegard/Lift is an alternative to the extensive work of fitting doors on an existing elevator installation which normally heavily reduces both volume and performance.

As **cegard/Lift** in operation uses up to 70 (optional 46) beams, the optical resolution and consequently safety is thereby heavily increased.

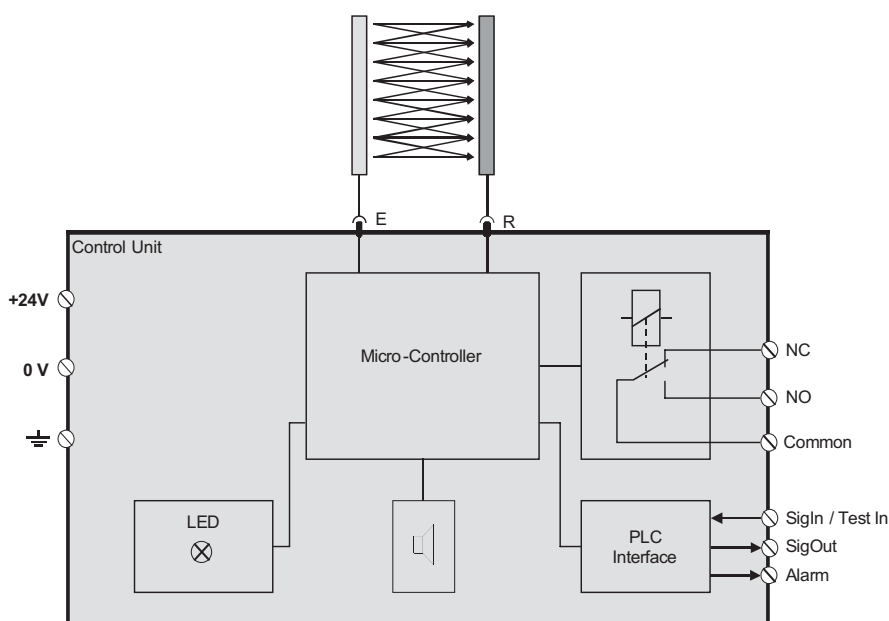
The optional mounting kits can be supplied as either a surface mounted model or as a back wall model. The latter has the advantage that the existing net door width can be maintained. The system is designed to survey one or two lift accesses.

cegard/Lift can be easily connected to almost all existing elevator controllers without the need for additional elevator cables to be installed.

Features

- SIL 3 (IEC 61508)
- Absolutely ideal for use in elevator cabins without car doors
- Simple installation and integration with existing elevator controllers
- Test input enables the testing of the system (EN 954-1)
- No adjustments or optical alignment necessary
- Simple mounting
- Robust and compact design
- Self-calibrating

Block circuit diagram



Technical Data

Supply voltage 24 VDC \pm 20 %
Current consumption < 150 mA

Outputs by interrupted light beam

- Relay change-over contact
24V / 1 A
- 2 semiconductor outputs PNP 100 mA,
short circuit proof
- Acoustic signal buzzer 4 kHz
- Response time output < 80 ms
typ. 50 ms

Input

- Test 0 ... 3 VDC "Low"
10 ... 30 VDC "High"

Optical edges

- Cable length 6 m
- Operating range 0.7 ... 4.0 m
- Active protection field 1'908 mm
- No. of light beams 70 beams

Enclosure rating

- Control unit IP20
- Optical edges IP65
- Temperature range -20 ... +65°C

