

Significant cost savings by integration of an emergency call manager in the elevator emergency system

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Today, the state-of-the-art elevator control system enables to switch from a time oriented maintenance to a demand oriented maintenance. All operation related information is transferred to the service centre by modem. The service engineer only visits the elevator for corrective maintenance, which significantly reduces maintenance costs.

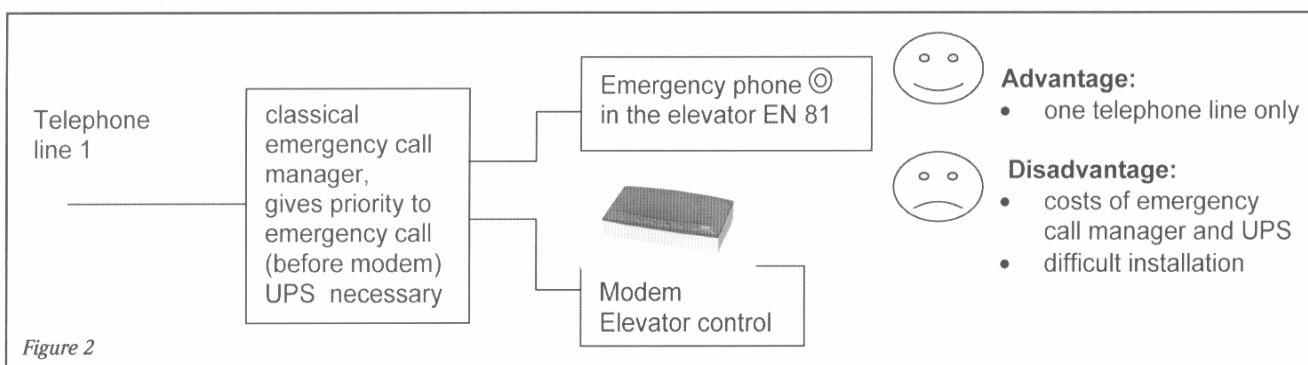
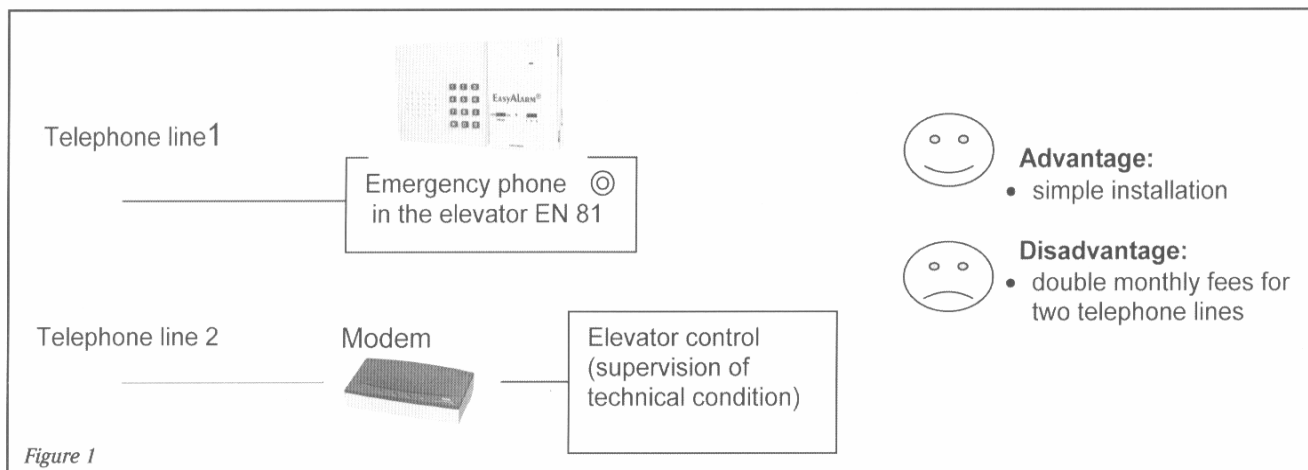
For switching to a demand oriented maintenance, two installation possibilities for the modem existed so far (see figure 1

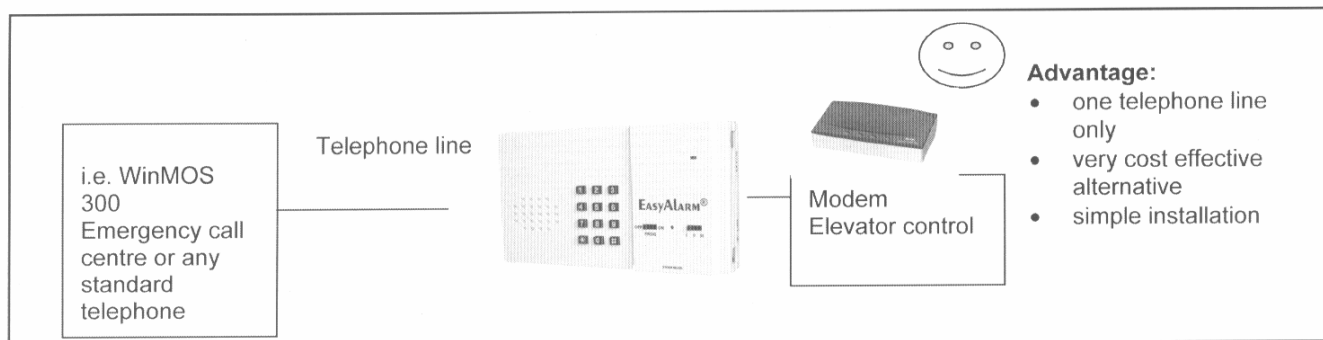
+ 2). The first possibility requires two telephone lines, in order to transfer alarms/data collision free. Use of an emergency call manager allows priority of the emergency call to the transmission of the technical information, so only one telephone line is required. However, the emergency call manager is not only expensive and installation intensive, additionally an uninterruptible power supply unit (UPS) must be available for a safe operation.

New, cost effective and simple solution:

Integration of an emergency call manager and the UPS in the new emergency call device EasyAlarm® ELEVATOR PLUS significantly reduces costs.

The unique solution of EasyAlarm® ELEVATOR PLUS has been tested by many well-





Emergency call device EasyAlarm® ELEVATOR PLUS

known companies who have, thanks to the positive test results, decided to integrate our product. For example the company BÖHNKE + PARTNER GmbH, Elevator controls of Bergisch Gladbach, Germany, with the WinMOS 300 access control system recommends the EasyAlarm® ELEVATOR PLUS.

Thanks to the interactive co-operation between the developers of Leitronic AG and its customers, the emergency call devices and suitable accessories with following features have reached an extremely attractive price-performance ratio on the Swiss quality production market.

EasyAlarm® ELEVATOR/PLUS

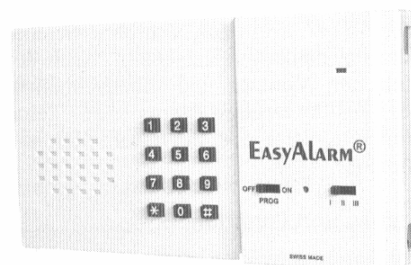
- Dials automatically as soon as the emergency call button is activated. Up to three emergency call numbers can be programmed and will be dialled one after another until a participant confirms the alarm.
- Prevents emergency call misuse. If required, an emergency call will be cancelled automatically if the door contact changes within the maximum travel time after the activation of the emergency call button.
- Supervises failure contact(s). Alternatively, a failure contact can be supervised. This input can be remote controlled, i.e. reactivated by a telephone connection.
- Gives information of the location. In addition to the alarm cause an individually recorded message (location) will be announced, giving the called party a clear picture about the location of the elevator.

Additionally, a ID-code can be red-out to identify the system.

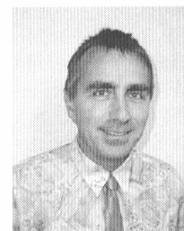
- Establishes contact, because the alarmed participant not only receives an alarm message but can communicate with the person seeking help in hand free mode. So the called participant is able to evaluate the situation better and react accordingly!
- Is simple. Just program the telephone number(s) of the emergency call centre (s) into the unit.
- Is remote controllable. The emergency call centre can communicate with the connected modem/telephone directly or with the alarm unit(s). After a successful identification by ID-code the alarm number(s) or the alarm sequence can be changed during the telephone connection, or a hand free communication is established with the passenger in the elevator.
- is upgradeable. The additional microphone/loudspeaker unit enables a full hand free communication on a second location on the cabin.
- Establishes contact with machine room. Together with the accessory intercom unit (EA-ICOM) a hand free communication can be established between the machine room and one or more elevators.
- Establishes contact between the fire brigade interface and the elevator or machine room. With the EA-FWS unit an free switchable hand free communication between the fire brigade interface and the machine room or elevator may be established.
- Has a telecontrol functions. With the appropriate accessory (CONTROL) an out-

put may be switched on or off by a telephone connection for example to release a key (fire brigade).

- separates a post-connected modem/telephone. An emergency call takes also place, if a post-connected modem/telephone already occupies the telephone line (e.g. a service modem of the elevator control or if the telephone line is shared with another user for cost reasons). After the emergency call is finished, the telephone line is automatically released.



What will be the next challenge for our engineers? It is clear for us that only a trustful co-operation enables to reduce interfaces to increase the effectiveness of the whole system for the benefit of our customers to reach a market benefit for all parties involved.



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