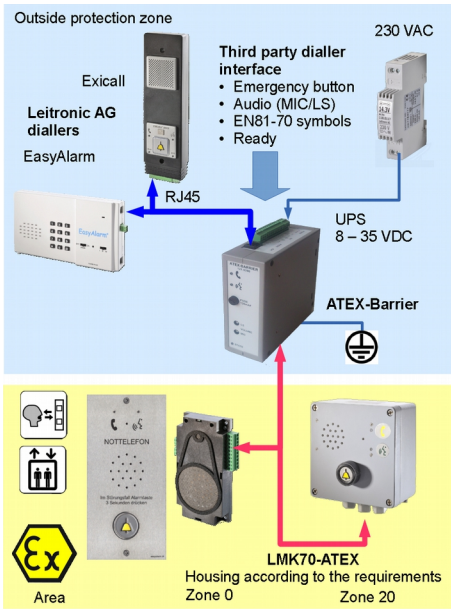
Quality electronics – made in Switzerland?

Leitronic AG, the small innovative Swiss company, continually enhances its range of established, high-quality elevator emergency call devices according to customer needs. Do not miss the latest developments in modern elevator emergency systems!

Universal emergency call for ATEX Zone 0 (gas) and Zone 20 (dust)



With the newly developed intercom LMK70-ATEX, as well as the associated universal ATEX protection barrier, Leitronic AG, based in Zufikon, is breaking new ground. The combination is compatible with all of Leitronic's emergency devices such as EasyAlarm, Exicall, GSM-Nano. Further, due to the universally compatible interface on the ATEX barrier, it can be used with third-party devices.
The ATEX barrier can cover a voltage range from 8 to 35 VDC. In addition to the adjustable microphone and loudspeaker audio interface, the interface for the EN81-70 symbols and an electrically isolated emergency button, the product also provides an alarm bell.

The connection between intercom and barrier can be set up either by using a standard network cable RJ45 or a 10-pin cable. All connections are monitored regarding connectivity so that a general disruption is displayed.

The LMK70-ATEX intercom is available in two versions depending on the specific needs:

Zone 0 (Gas)
Standard box, i.e. standard panel design (hole pattern) with a regular emergency button.

Zone 20 (Dust)
Protected compact version with integrated emergency button plus EN81-70 symbols.

Please note: When installing or maintaining the emergency system no special provisions are required. Those, who had to wait for access to a security zone "for hours", will no doubt appreciate this advantage.

☞ Compact, easy, reliable and universal – customization possible!

GSM solutions for the future

The foreseeable end of the analogue landline forces elevator producers to look for an alternative to the classic telephone connection.

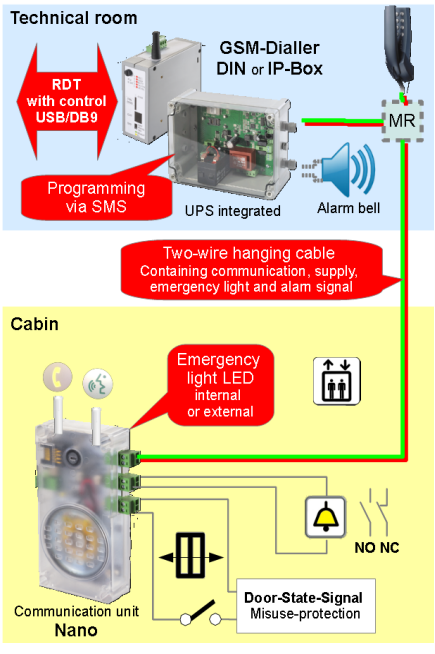
Please note that by using an analogue modem the signals are altered so heavily that the data in the GSM network needs to be transmitted digitally. The GSM gateway therefore requires an interface for long distance data transmission (DFÜ). For existing controls an analogue modem emulation can be used, whereas modern controls will be able to communicate to the internet via a PPP connection.

There are two possible scenarios:

A) GSM gateway for analogue emergency call systems
Replacing the analogue port - suitable for one or several analogue emergency devices. During the evaluation of this type of device the following points must be considered:

1. Can a failure of the GSM network be transmitted to the control system? According to EN81-28 the elevator must be put out of service, if an emergency device is out of order..
2. Is a data interface for remote data transmission (RDT) available?
3. Is an emergency power supply integrated?
4. For the smooth operation of analogue emergency equipment it is also essential that the GSM gateway is able to transmit DTMF signals and protocols

B) Pure GSM alarm device (e.g. GSM-Nano)
Again, points 1 to 3 from above need to be covered. Point 4 can be disregarded where the exchange of data is not via telephone connection (inband) but via a secured SMS transmission.



Since many years Leitronic offers successful solutions for both alternatives, either in a robust IP65 protection box or in a DIN box for installation in a control module.

GSM-Nano, designed as a pure GSM system, is easily installed

Nano intercom and GSM module (e.g. in the machine room) are connected just via two wires. In case of retrofitting the wires of the alarm bell can be used. These two leads integrate communication, power supply, emergency light and the alarm signal.

Programming and status messages during operation are transmitted safely via SMS and are therefore protected against interference of any kind. The text message is sent either from a mobile phone or – even more sophisticated – via the call center solution WinMOS®300 which allows bi-directional SMS transmission.

Do you require a connection from the machine room to the cabin? Nothing could be easier than that: simply include an optional MR interface in the two-wired cable and connect a standard phone to it - and the connection is ready for use.

The remote data transmission feature (RDT) enhancement is just as simple. Select the appropriate data module (USB or DB9) and connect it to the GSM module. Now you can also access the elevator control system via GSM. These data modules are compatible with elevator controls from the following manufacturers:

- Böhnke & Partner
- Kollmorgen
- KW Aufzugstechnik
- Langer+Laumann
- Newlift
- RST
- Strack
- others on request

A GSM module or a SIM card provides a system for emergency calls and data transfer.

☞ A farewell to the landline without tears

The Leitronic AG team will be pleased to present you these products and more at Interlift 2013 fair in Augsburg. See you at Stand 7167, exhibition hall 7!

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