

CEMOL/LGM

GSM based Lift Remote Alarm System

CEMOL/LGM is the system designed for the lift remote alarm and the voice communication from a lift car to the service centre, according to the standard EN 81-28.

The device transfers the information on alarm situation via GSM network.

When a lift passenger pushes the ALARM button, CEMOL/LGM sends an SMS to an alarm centre or some other predefined relieving service. After the alarm message has been received in the alarm centre, it is acknowledged as the ALARM state and LED in the lift car starts to flash. To prevent unreasonable using of the ALARM button, it means in the non-emergency state, CEMOL/LGM monitors the error state of the lift continuously.

CEMOL/LGM sends the SMS regarding the activation, confirmation and ending of the emergency state. It also informs about power supply status, GSM credit, and the current lift state. On request we deliver the software application running in the service centre, which keeps a detailed record of the particular active CEMOL/LGM systems, based on the received SMS. The application monitors the function of the CEMOL/LGM systems, and establishes the voice phone call to a particular system if necessary.

CEMOL/LGM REMOTE ALARM SYSTEM FEATURES

- pushing of the ALARM button activates the alarm system,
- voice communication between the lift car and the alarm centre or the service person,
- flashing LED signals the successful connection to the alarm centre,
- light indication acknowledges the receipt of the alarm in the service centre,
- button for the deactivation of the ALARM state is installed (the deactivation of the ALARM is performed after the stacked persons have been relieved),
- prevention of the unreasonable using of the ALARM button,
- regular automatic checking of the system,
- checking of the power supply,
- **automatic report on the GSM credit level,**
- optional voice communication to the lift machine room,
- **easy mounting to the standard DIN rail.**

The lift remote alarm system, which part is HLASKA/LGM speakerphone, is available in two variants:

- **for one lift:** CEMOL/LGM + speakerphone HLASKA/LGM,
- **for a pair of lifts sharing one machine room:** CEMOL/LGM + 2 units HLASKA/LGM, *see the block scheme on the back side.*

The WEBMON lift remote alarm system, which we have developed and deliver, has been designed for serving up to eight lifts. WEBMON implements the monitoring of the lifts via Internet GSM/GPRS or Ethernet TCP/IP, *see, please, more information in VTA/WEBMON/GSM/GD.*

BASIC TECHNICAL DATA

Power voltage	+12V ±2V
Power consumption	50 mA
Power consumption during communication	110 mA
GSM	900/1800 MHz
Error Inputs	+40V až +50V
CEMOL/LGM dimensions	160x90x58 mm (including the antenna 160x90x90 mm)
HLASKA/LGM dimensions	130x65x30 mm
Fixing dimensions for HLASKA/LGM	57x122 mm, diameter 4 mm

- Electronic Control System
- Electronic Switchboard Panels
- for the Standard and/or Hydraulic Lifts
- Lift Upgrades and Reconstructions
- New Lifts
- Remote Alarm and Monitoring of the Lifts



EN ISO 9001:2000

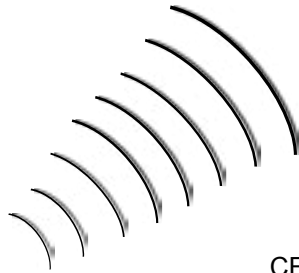
Development, production and service of embedded real-time distributed control and information systems

CEMOL/LGM-2 block diagram

SERVICE TECHNICIAN
– voice, SMS



SERVICE CENTRE
– voice, GSM



CEMOL/LGM-2



LIFT CONTROL SYSTEM
VTA971



LIFT CONTROL SYSTEM
VTA971



SPEAKER PHONE
HLASKA/LGM



SPEAKER PHONE
HLASKA/LGM



PHONE
IN THE MACHINE ROOM



BACKUP POWER SUPPLY
ZZ20

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