

LIFT

With our connected and intelligent lift solutions, you enter the third dimension of smart cities.



4G Lift Dialer
Code 8D5896

4G/LTE Bidirectional Emergency Phone System for Lifts

- **EN 81-28 standard compliant**
- **Integrated 4G/LTE module with integrated backup over 2G/GSM/GPRS**
- **4G VoLTE Ready**
- **ID generation with DTMF (P100/Ademco)**
- **Multilingual pre-recorded audio messages**
- **Voice Lift ID recording**
- **Local and remote configuration (DTMF/ SMS/BLE)**
- **Extended Power range from 12-24Vcc**
- **Connection to VoiceBOX with 2 wires only**
- **3 inputs for SOS Alarm, Technical Alarm, Filter management**
- **Periodic call**
- **2 relay outputs**
- **IP Telemetry on RS232 serial port**
- **Management of rechargeable backup battery (optional)**
- **Local and remote firmware upgrade**

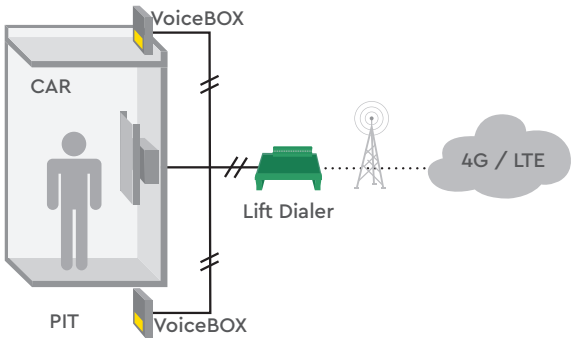


DIALER

This new 4G version of the bestselling Lift Dialer combines the functionality of the previous 2G with **innovative features**: from the **Bluetooth** interface for configuration, the new **battery test**, up to **4G VoLTE** ready.

Extremely **versatile** and easy to install, 4G Lift Dialer is used both for **new installations and for modernization**. Equipped with a GSM module, it allows the connection to the mobile operators' 4G networks.
4G Lift Dialer is compliant with the VoiceBoxes to guarantee the maximum flexibility.
If activated by simply pressing the button in the Car, the comfort audio message will be played (selectable in different languages) and the call will be forwarded to the Service Center.
4G Lift Dialer will generate an identification for the correct management by the Service Center.
4G Lift Dialer can be easily **integrated** into existing call **management software** to perform a bidirectional audio communication for the alarm management.

4G Lift Dialer manages the 72h periodical call scheduling the frequency according to the needs of the Service Center and it can send calls of technical alarms in case of problems and/or signals (i.e. battery replacement, electrical blackout, pit flood alarm, etc.).



EASY INSTALLATION

The complete alarm system consists of the 4G Lift Dialer and the VoiceBOX hands-free talk-listeners for the communication with the Car, Top and Pit.

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digicom

The vocal unit VoiceBOX is equipped with speakers, microphone and 2 leds that signal the various phases of the call as required by EN 81-28 regulation.
The main feature of Digicom's system is the VoiceBOX management with **2 wires** only in auto-powered mode. The audio communication, the power supply and the LED and Buttons management is performed through 2 wires only.
This feature allows a quick installation and it doesn't require any other cabling.

THE CENTRAL UNIT

Its compact size and the removable screw terminal board make the installation easier inside the Frame Controller.
Thanks to the filter input and to the input for auxiliary technical alarms the central unit is suitable to any situation.
It is equipped with 2 relay (via DTMF or SMS) for the eventual opening of doors and gates or for the management of external indicator lights during the call or for the automatic lock of the system in case of pit flood.

4G VoLTE READY

4G networks will also move to support voice in IP mode by supporting VoLTE (Voice over LTE) technology. The LTE module is designed to support it. Just update the Fw of the product to be able to take advantage of this new technology when necessary.

AUDIO

Particular care has been placed in the projecting of the bidirectional audio. The GSM audio management is in digital mode to guarantee the best voice performances.

EASY CONFIGURATION

4G Lift Dialer has been designed thinking of installators' needs. This is the reason of its triple configuration mode: via DTMF tones from local or remote phone, via SMS and via Bluetooth.

AN APP AT YOUR SERVICE

4G Lift Dialer can be also set up by Android APP: even simpler and faster.

TELEMETRY OF THE FRAME CONTROLLER

4G Lift Dialer has an RS232 serial port to be connected to the Frame Controller.
Through 4G/LTE network you can reach the Frame Controller for its remote management (through the app of the frame controller manufacturer).

REMOTE UPGRADE

In case new functionalities are added, the firmware of 4G Lift Dialer can be remote updated.

TECHNICAL FEATURES

4G/LTE/GSM/GPRS MODULE

- 4G frequencies
  Tri-Band 800/1800/2600 MHz
  LTE Cat 1 – 10.3Mbps DL, 5.2Mbps UL
- 2G frequencies
  Dual-Band 800/900/1800/1900 MHz
  GSM module: GPRS/GSM Class 10

OUTPUT POWER

- LTE Power Class
  Power Class 3 (23 dBm)
- GSM/GPRS (GMSK) Power Class
  Power Class 4 (33 dBm) for 900 MHz
- E-GSM band
  Power Class 1 (30 dBm) for 1800 MHz

INTERFACES

- 1 Interface 2 wires for "BUS" VoiceBOX
- 1 FXS interface for telephone (Configuration/intercom)
- Removable screw terminal board
- 1 RS232 serial port (on RJ45) for Frame Controller telemetry
- 1 gest USB port for local upgrade
- SIM CARD Plug-in (1,8V – 3V compliant)

INPUT AND OUTPUT

- 3 Inputs for SOS Alarm, Technical Alarms, Filter management
- 2 Relays outputs (N.O./N.C.)

POWER SUPPLY

- 12 ÷ 24 Vcc / 1A min.
- Li-Ion 3.7V Backup Battery (optional)
- Max consumption ~ 12W

ANTENNA

- SMA connector for external antenna
- Impedance: 50 ohm

OTHER

- DIN rail mounting kit included
- 4G/2G antenna with 3 meters cable
- Size: 115 × 80 × 25 mm
- CE Mark and RoHS compliant

Note: CONNECTION CABLES

For the best performances of the product use 6/10 mm twisted pair (better 9/10 mm) between Dialer and VoiceBox

VOICEBOX SPEAKERPHONE UNITS

TOP/PIT version **CAR version** **Passive version**



PACKAGE CONTENT

- 8D5896 4G LIFT DIALER
- 4G Omnidirectional antenna
- Wall mounting kit
- User's manual

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