

科苑隆®
KEYUANLONG

**BEIJING KEYUANLONG
TECHNOLOGY CO., LTD.**



LIFT COMMUNICATION AND SAFETY

Lift Emergency Phone System

Lift Intelligent Connected Panel

Access Control

Industrial Control Device



For over 25 years, Beijing Keyuanlong Technology Co., Ltd. (KYL) have been the leading supplier of comprehensive lift Emergency Phone and Safety System Solutions. We design, manufacture and sell a wide range of high quality products covering EN 81-28:2018 compliant lift emergency phone system, access control, lift intelligent connected panel and industrial control device. We are also committed to providing highly customized solution to meet our customer's individual requirements.

For more information, please visit our website www.keyuanlong.com.cn
Write to us at master@keyuanlong.com.cn

Professional

- 40 in-house R&D specialists
- Online & offline customizable design
- Modular design, forwards and backwards compatibility

Quality

- More than 10 test laboratories including EMC test and reliability test
- Product quality traceability system
- 3 year warranty, lifetime back up support service

Service

- One-stop service by senior experts
- Online technical support (Webinar)
- 7x24 call center
- Establishing globally localized services

Content

Lift Emergency Phone

Lift Emergency Phone System	04
IP Visual Emergency Phone System	06
Digital IP Emergency Phone System	08
Wireless Emergency Phone System	10
PSTN Five-Way Emergency Phone System	12
PSTN Two-Way Emergency System	14

Accessories

Loop	16
Voice Announcement Device	18

Lift Intelligent Connected Panel

Lift Remote Access Control System

Industrial Control Device

Magnetic Switch Series	24
Magnet	26
Load Cell	27

Lift Emergency Phone System

Analog

Forwards Compatibility

Various Communication Interface

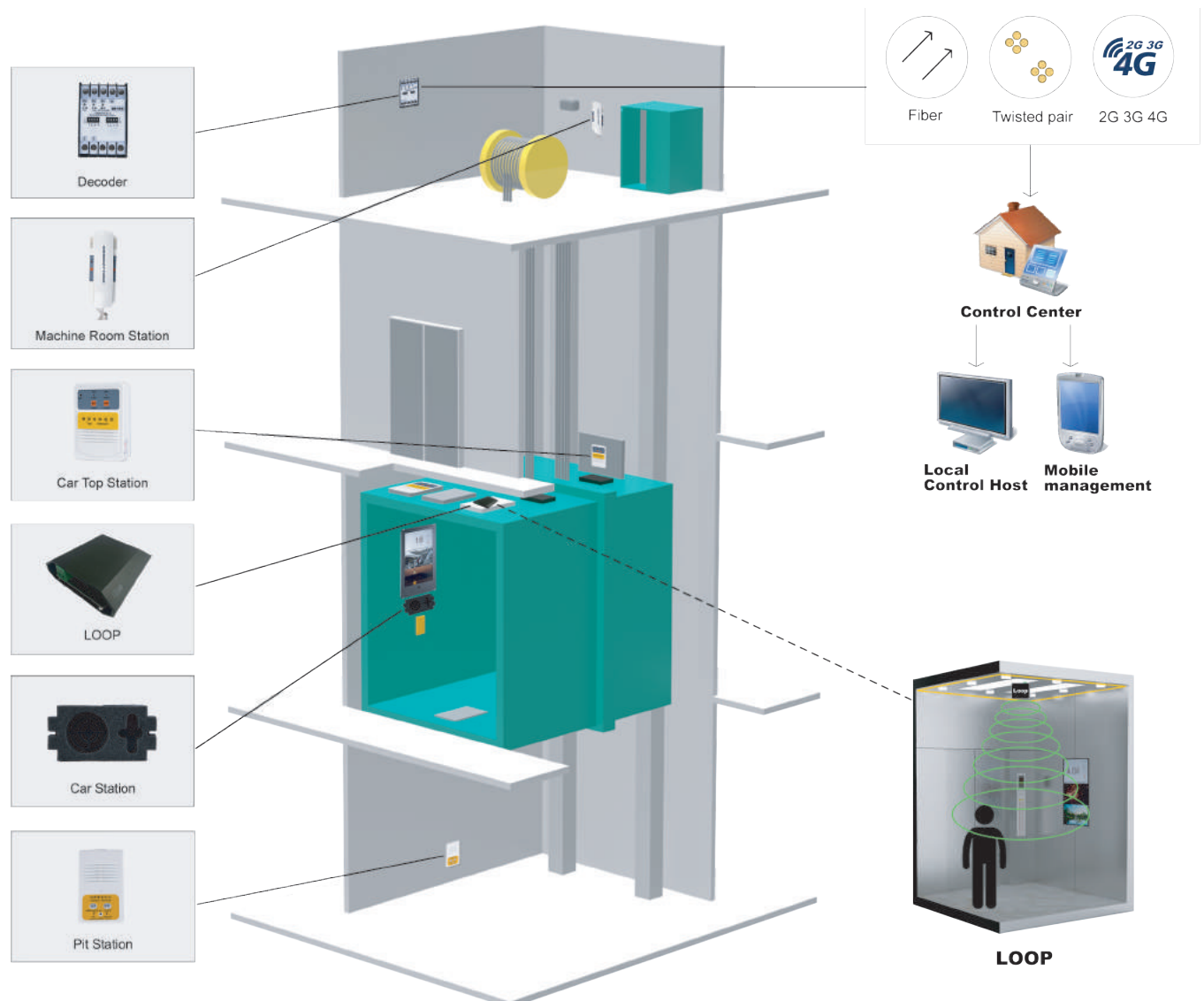
EN
81-70

EN
81-28



System Introduction

An analog lift emergency phone system, which ensures the emergency communication between the control center and different stations in the lift. This system meets the latest EU standard EN 81-28: 2018.





Car Station

Surface Mount Version
Flush Mount Version
Anti Vandal Version



Car Station

COP Fixed Version;
COP Wired Version



Car Top / Pit Station

Hands free
Anti Vandal (Optional)

Host in Control Center

Bus System Version for 32/ 64/ 128/ 256 lifts
Distributed System Version for 8/ 16/ 32 lifts



Emergency Power Supply

Wide range of voltage selection
Battery back-up monitoring function (Optional)



Machine Room Station



Hall Station



Fireman Station



Please scan the QR code
for more information

IP Visual Emergency Phone System

VoIP

Modular Design

Forwards and Backwards Compatibility

2-wire Transmission

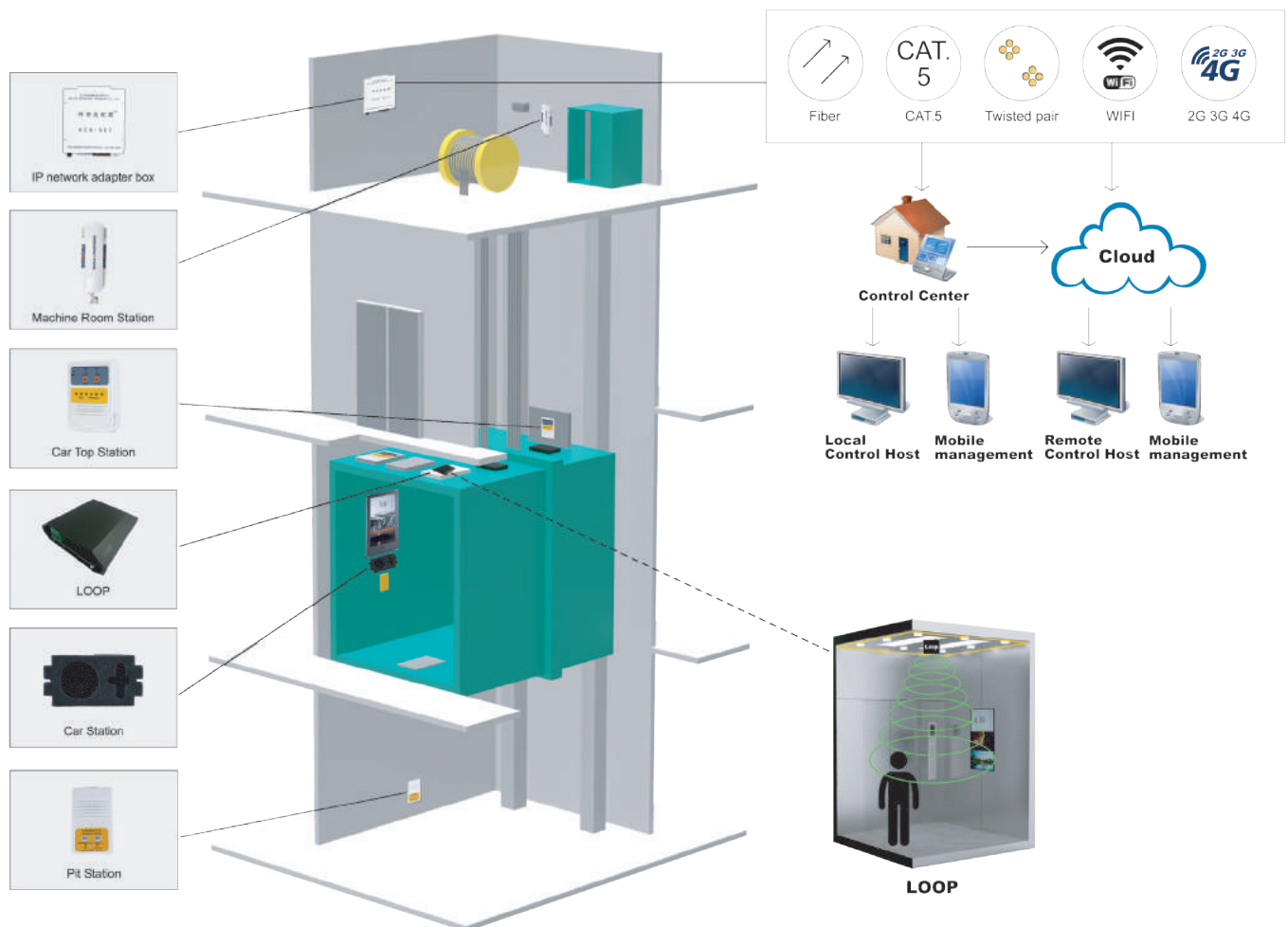
EN
81-70

EN
81-28



System Introduction

IP visual emergency phone system is an upgrading solution for modernization, which transfers analog signal into digital signal (A/D) based on VoIP technology, realizing high quality and long distance transmission of speech and data. What's more, the two-wire transmission in the lift system makes it readily installable, which means there won't be any trouble with putting in new wiring.



System Benefits

- IP communication via SIP
- Perfect audio quality
- 2-wire transmission in lift system can be used (no trouble with putting in new wiring)
- Long distance transmission supports large-scale community networking
- Conference call function
- Flexible configuration of calling authority
- Automatic audio self-monitoring
- Expandable interfaces (camera, access control, sensors, etc.) ensure online lift monitoring
- Automatic/ manual collocation between the hosts if one is busy or out of work
- 2-way visual communication (Optional)
- Video surveillance (Optional)
- Traceable management –Audio and video recording function for documentation and evidence keeping purpose (Optional)
- Redundant structure of server and communication interface in case of emergency (Optional)

VoIP Converter

- ☆ Compatible with a wide range of VoIP system, i.e. Cisco, Huawei...
- ☆ With CAN/ 485 interface
- ☆ Automatic self-monitoring
- ☆ Remote configuration via software
- ☆ IP to 2-wire converter(Optional)



Intelligent Connected Panel

- ☆ Flexible installation (COP/ Surface mount/ Flush mount)
- ☆ Built-in camera for 2-way visual communication
- ☆ Built-in digital emergency phone (Optional)
- ☆ Flexible connected to existed external analog emergency phone
- ☆ Customizable functions



UC200 VoIP Gateway

- ☆ Integrated audio, data and SMS function
- ☆ Built-in interface for analog telephone line (PSTN), VoIP and public land mobile network (PLMN)
- ☆ IP communication via SIP, connected up to 100 lifts
- ☆ SIP phone
- ☆ Voice recording (stored in SD card)
- ☆ Connected up to 32 hosts



Telephone Host

- ☆ Powered by telephone line
- ☆ Caller ID
- ☆ Hands-free



All-in-one PC Host

- ☆ Connected up to 30 lifts
- ☆ Automatic/ manual collocation between the hosts if one is busy or out of work
- ☆ Built-in camera
- ☆ 22" LCD screen



Please scan the QR code
for more information

Digital IP Emergency Phone System

VoIP All Digital Future Proof Solution High Quality Communication

2-wire Transmission

EN

81-70

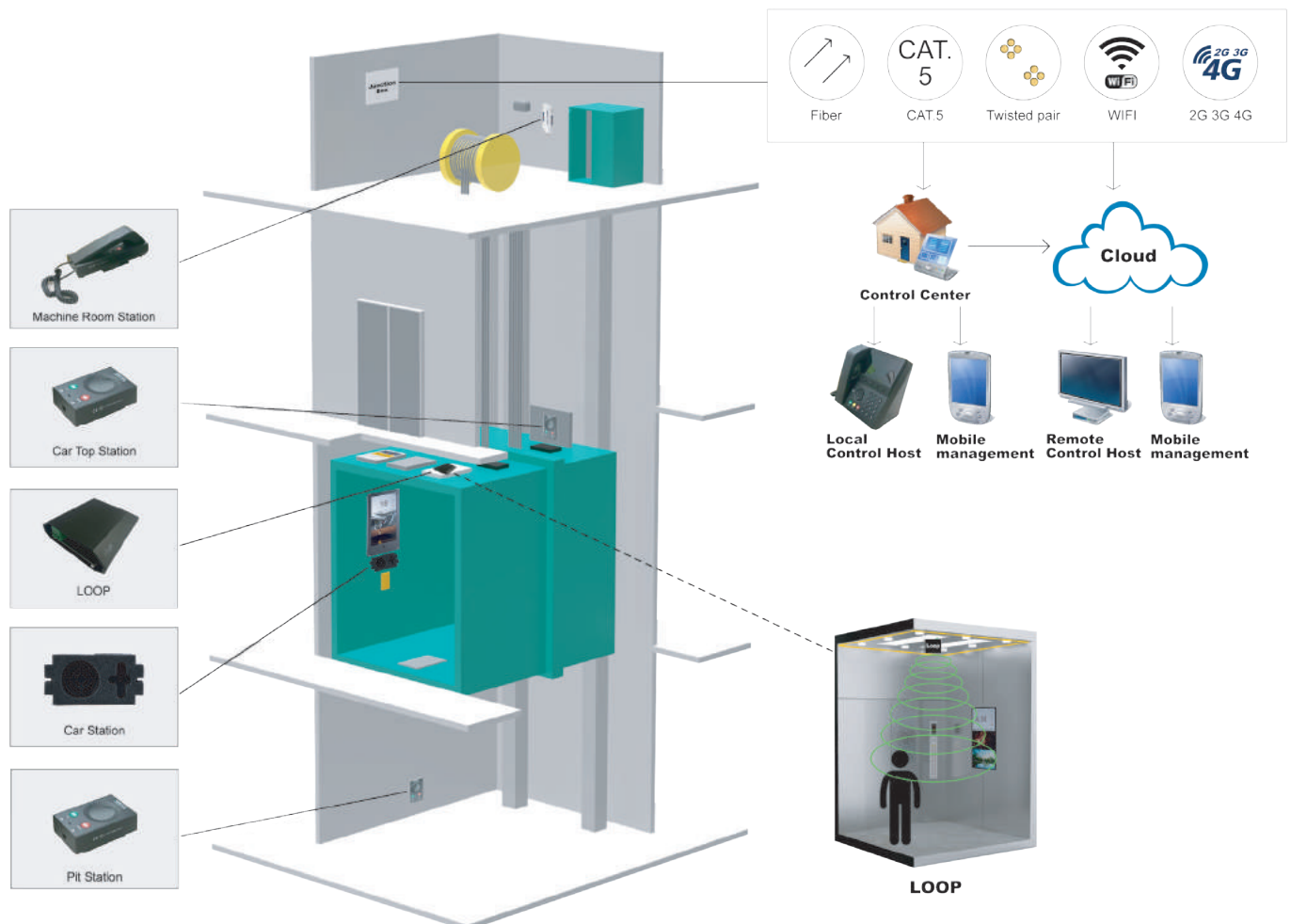
EN

81-28



System Introduction

Keyuanlong® digital IP emergency phone system is using VoIP technology for communication. All digital emergency phone stations ensure perfect audio quality.



System Benefits

- All digital system
- IP communication via SIP
- Excellent speech quality with omnidirectional electret microphone, even from a distance (up to 4m/ 13ft)
- Dynamic background noise suppression virtually eliminates all ambient noise
- 2-wire transmission in lift system can be used (no trouble with putting in new wiring)
- Conference call function
- Flexible configuration of calling authority
- Automatic audio self-monitoring
- Expandable interfaces (camera, access control, sensors, etc.) ensure online lift monitoring
- Automatic/ manual collocation between the hosts if one is busy or out of work
- 2-way visual communication (Optional)
- Video surveillance (Optional)
- Traceable management –Audio and video recording function for documentation and evidence keeping purpose (Optional)
- Redundant structure of server and communication interface in case of emergency (Optional)

Intelligent Connected Panel

- ☆ Flexible installation (COP/ Surface mount/ Flush mount)
- ☆ Built-in camera for 2-way visual communication
- ☆ Built-in digital emergency phone (Optional)
- ☆ Flexible connected to existed external analog emergency phone
- ☆ Customizable functions



Digital Car Station

Surface Mount Version
Flush Mount Version
Anti Vandal Version



Digital Car Station

COP Fixed Version;
COP Wired Version



Digital Car Top / Pit Station



Digital Machine Room Station



Digital Host in Control Center

VoIP Gateway
All-in-one PC Host
Server
Telephone Host
IP to 2-wire converter



Please scan the QR code
for more information

Wireless Emergency Phone System

Global Network Coverage Programmable SMS Monitoring Platform

EN

81-70

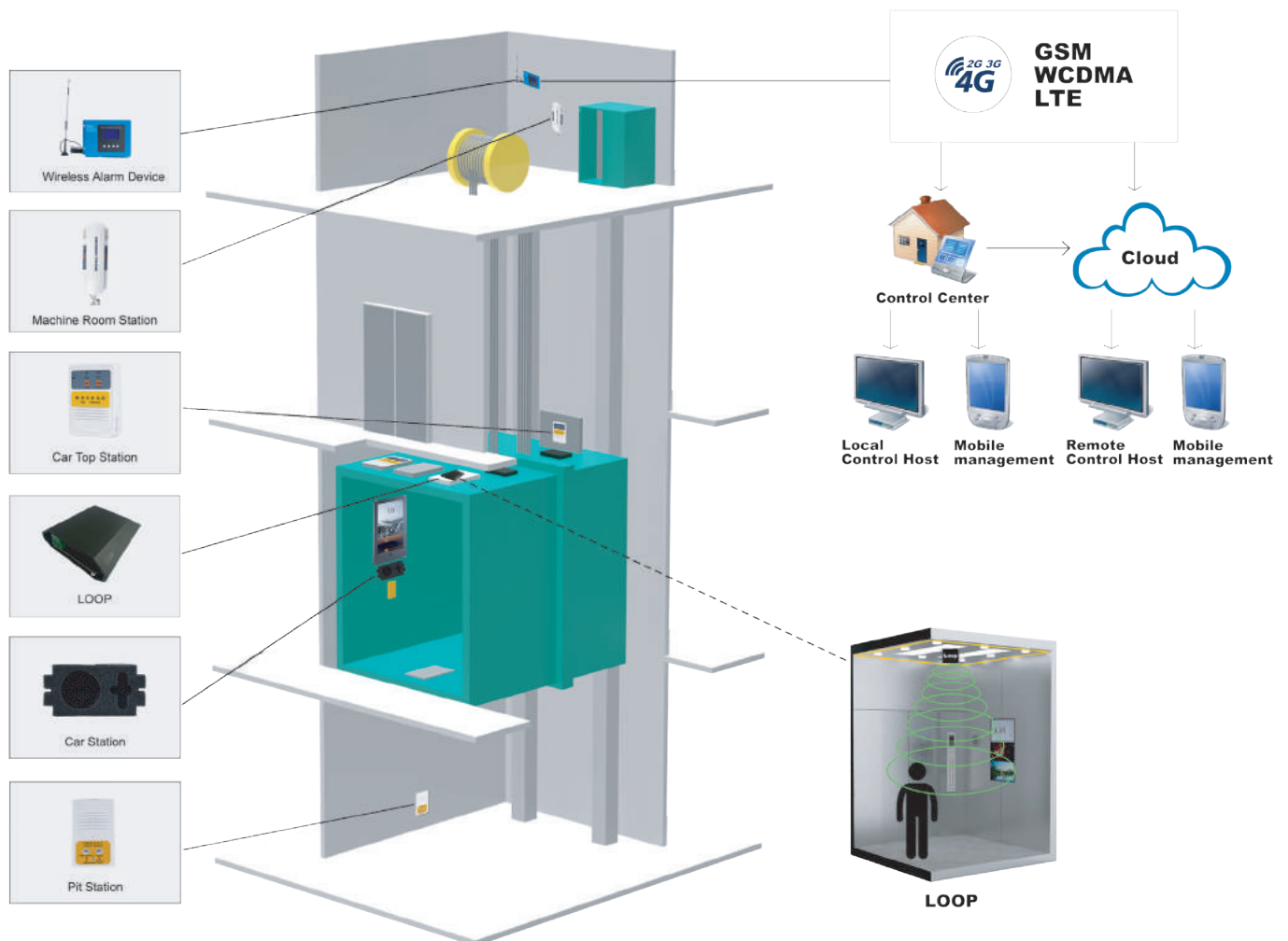
EN

81-28



System Introduction

Keyuanlong® wireless emergency phone system is a full featured land-line replacement for five-way and two-way communication. A GSM/ LTE wireless alarm device suitable for any lift system makes it a unique solution for mobile control center. A monitoring platform for this system ensures the reliable communication between the lift and the rescue service. This system meets the latest EU standard EN 81-28: 2018.



System Benefits

- GSM, WCDMA, LTE global network coverage
- Transmission without any distance limitation
- Intuitive programmable keypad and speech IC
- More than five automatic dialing numbers can be set. After pressing the call button, the pre-stored number is automatically called in cycle until one call is answered
- High reliability with automatic audio self-monitoring and battery back-up monitoring
- Land-line interface in case of wireless failure
- Traceable management – Audio recording function for documentation and evidence keeping purpose
- Voice prompt and alarm process indicator to show passengers the rescue status;
- Remote configuration and wireless alarm device monitoring via SMS monitoring platform

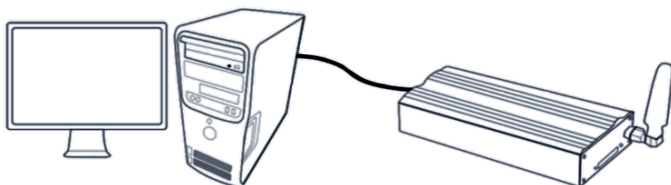


Wireless Alarm Device

- ☆ GSM, WCDMA, LTE global network coverage
- ☆ Flexibly installed in machine room or car roof
- ☆ PSTN interface
- ☆ LCD screen for intuitive programming
- ☆ More than five automatic dialing numbers can be set. After pressing the call button, the pre-stored number is automatically called in cycle until one call is answered
- ☆ Automatic audio self-monitoring
- ☆ Automatic battery back-up monitoring
- ☆ Independent alarm filtering without any electrical connection with the lift (Optional)

SMS Monitoring Platform

- ☆ Remote configuration of wireless alarm device via SMS
- ☆ Wireless alarm device status monitoring
- ☆ Automatic alarm on the platform and SMS to rescue service person
- ☆ Alarm recording for documentation and evidence keeping purpose



Please scan the QR code
for more information

PSTN Five-Way Emergency Phone System

Land-line

Analog

Remote Programming

EN

81-70

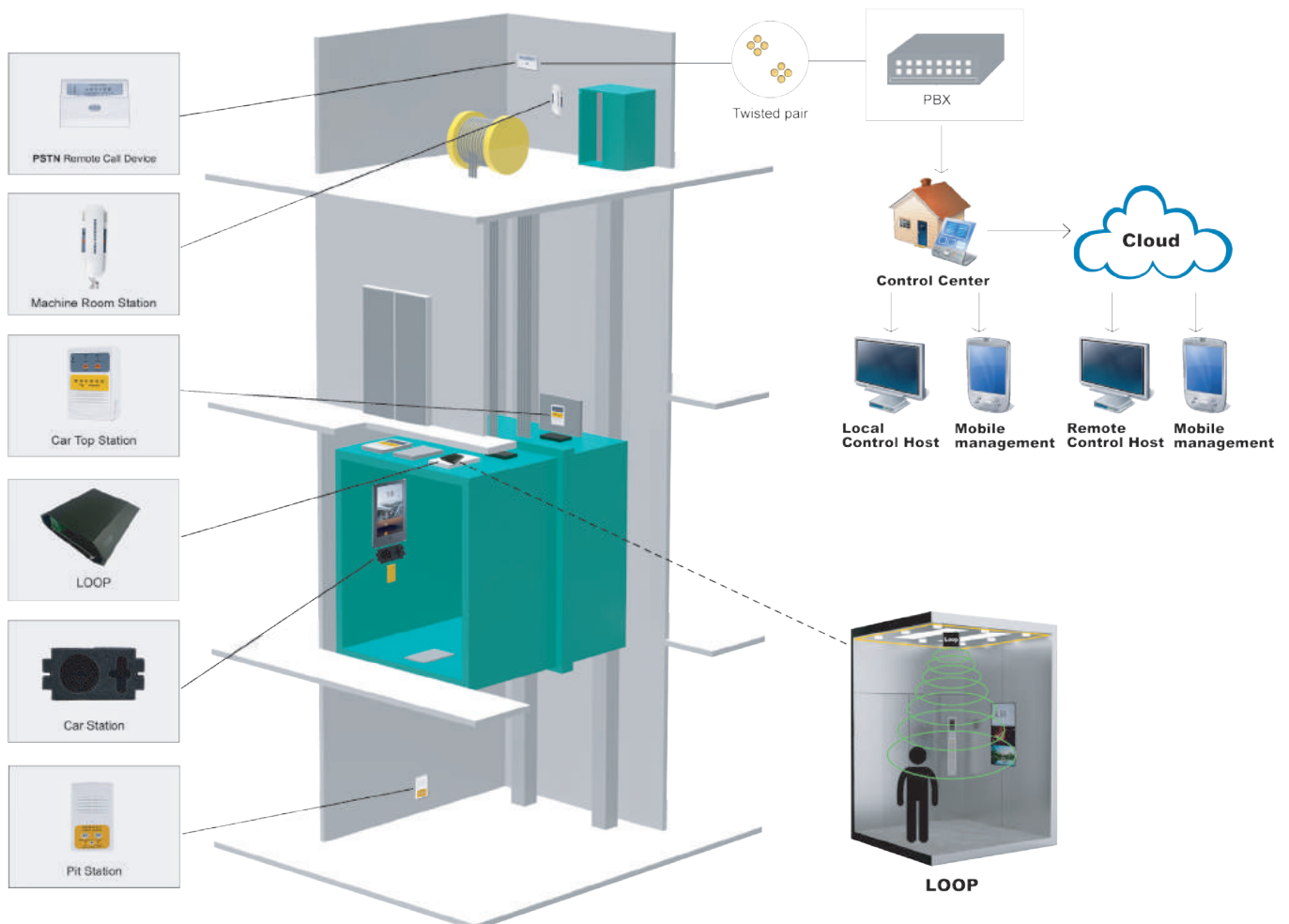
EN

81-28



System Introduction

PSTN emergency phone system connects lift emergency phone system to public switched telephone network (PSTN), realizes the integration of a single elevator into the urban safety management platform. With the functions including one-button call, remote programming, programmable dialer, etc., this system meets the latest EU standard EN 81-28:2018.





System Benefits

- Compatible with global communication signaling
- One-button call
- Suitable for new lift installation or lift modernization
- Remote programming via telephone line or local programming by built-in keyboard for the setting of fixed or mobile phone numbers
- Voice guidance for easily and accurately configuration
- 5 groups of automatic dialing numbers can be set (After pressing the call button, the pre-stored number is automatically called in sequence until one call is answered, maximum for 3 cycles)
- Standby time can be set flexibly between 1 and 99 minutes.
- Lightning protection
- Automatic self-testing

KEM101-PSTN Module

- ☆ Interface for PSTN, bus and GSM/ LTE module
- ☆ Remote programming via telephone line
- ☆ The UPS will offer 90 minutes power when the power failure occurs. Automatic alarm when battery back-up is less than an hour.
- ☆ 5 groups of automatic dialing numbers can be set (After pressing the call button, the pre-stored number is automatically called in sequence until one call is answered, maximum for 3 cycles)
- ☆ Automatic self-testing per 72 hours
- ☆ Easily installed in the machine room, connected to networking machine room station



Please scan the QR code
for more information

PSTN Two-Way Emergency Phone System

Land-line

Fully Powered Over Phone Line

One-Button Call

EN

81-70

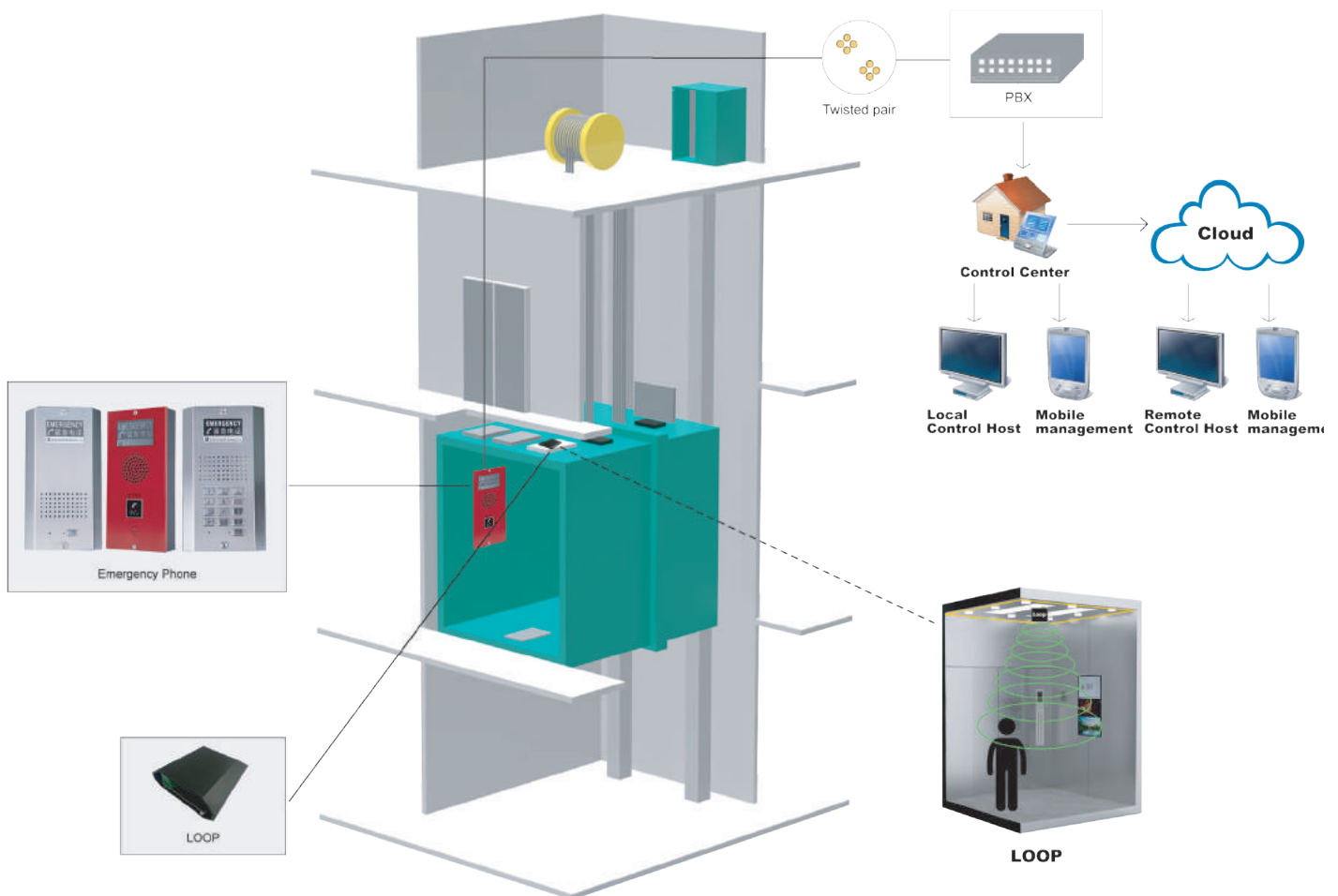
EN

81-28



System Introduction

Keyuanlong® PSTN two-way emergency phone system solution is typically used in elevators where communication is required between the car and the control center or machine room.





System Benefits

- Compatible with global communication signaling
- Fully powered over telephone line
- Suitable for new lift installation or lift modernization
- Interface for PSTN, and GSM/ LTE, realizes wireless communication
- Customizable appearance
- Easily installed in the car
- Remote programming via telephone line or local programming by built-in keyboard for the setting of fixed or mobile phone numbers
- Voice guidance for easily and accurately programming
- 5 groups of automatic dialing numbers can be set (After pressing the call button, the pre-stored number is automatically called in sequence until one call is answered, maximum for 3 cycles)
- Standby time can be set flexibly between 1 and 99 minutes.
- Lightning protection
- Automatic self-testing per 72 hours
- Audio recording by built-in microphone or telephone
- Automatic alarm when battery back-up is less than an hour (Optional)

KEM101-PSTN PHONE

Built-in programmable dialer



KEM101-PSTN PHONE

Manual dialer



Please scan the QR code for more information

Loop



Keyuanlong® Lift Loop is a teleloop amplifier designed to help users better hear the communication of lift announcements and most importantly make use of emergency services. It can be used by anyone wearing a hearing aid with a T-function (telecoil) or using another inductive receiver. After connecting Loop to the lift voice announcement or emergency phone system, the sound is transmitted directly to the hearing aid/inductive receiver so the user receives that sound clearly without interference from background noise.



System Benefits

- Arbitrary audio input – connect to any lift communicators, IP emergency phone, etc.
- Compatible with all Keyuanlong® emergency phone and audio systems
- Automatic volume control to eliminate sudden loud sounds and ensure dynamic, equalized sound
- Two independent audio inputs
- Optional external loop and line level inputs to support emergency phone and floor announcement concurrently
- All-in-one compact design for easy installation on car roof
- Complies to all accessibility norms





Voice Announcement

- Broadcast floor number, running direction, gate status.
- Accurate announcement and high anti-interference
- Programmable contents
- Up to 99 floors announcement
- Support multi-language announcement
- Adjustable volume of the background music and announcement contents
- Integrated with arrival reminder
- Flexible installation—can be attached on the car roof or fixed by fasteners
- Independent sensors without any electrical connection with the lift (optional)

Wireless Module

KEM101-A

For Single lift;

Installed in machine room or car

GSM/ LTE Version



KEM101-B

Up to four lifts;

Installed in machine room

GSM/ LTE Version



KEM101-C

No lift quantity limitation;

Installed in control center

GSM/ LTE Version



CAMERA MODULE

Analog version

Digital version

SERVER

Connected up to 200 lifts

Available for the redundant structure of the host



OPTICAL TRANSCEIVER

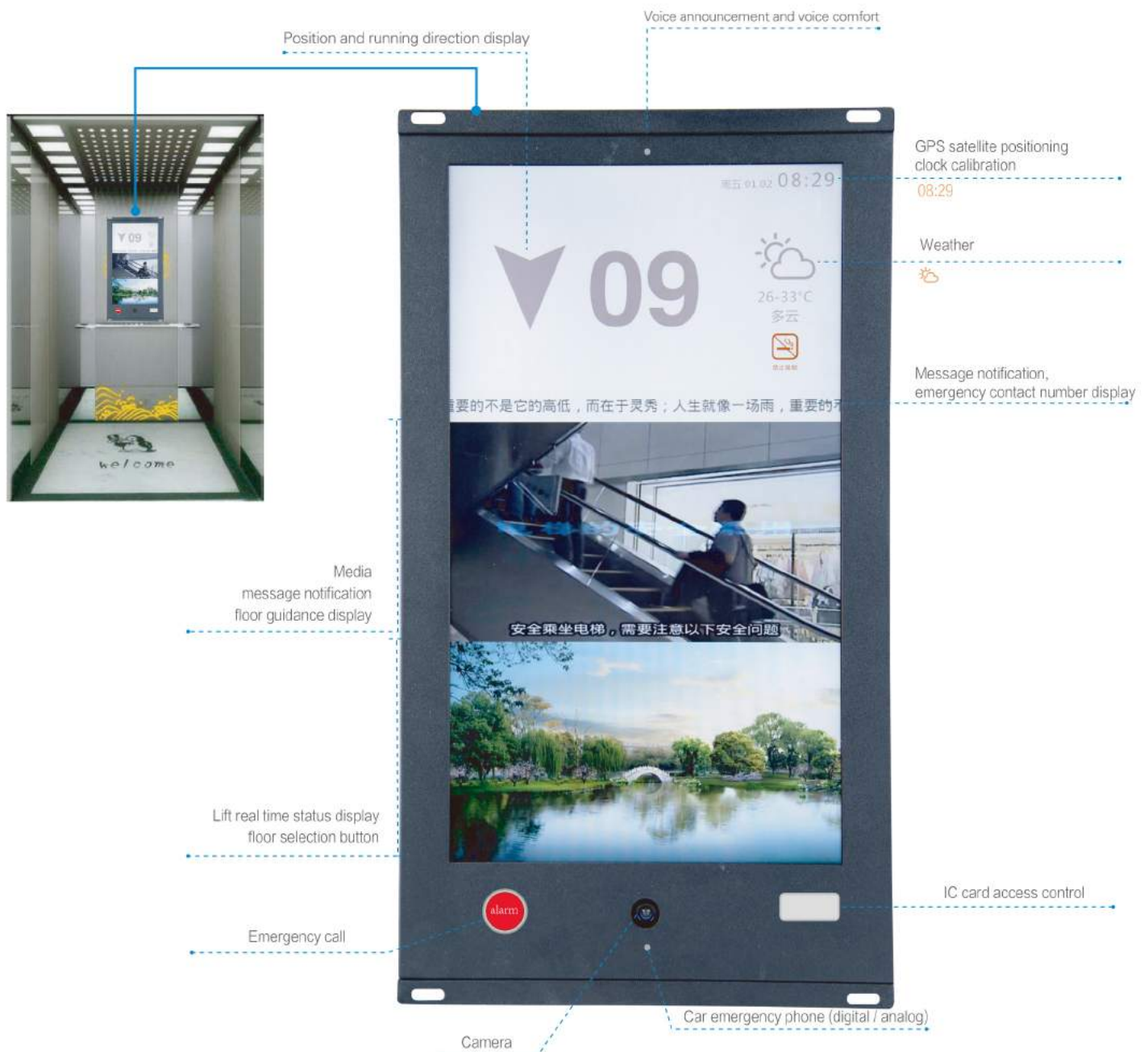


Lift Intelligent Connected Panel

Highly Customizable Modular

Future Proof One Solution

The unique human-computer-interaction terminal in the lift, maximizes information delivery.



Advantages

- **Highly Customization** – Appearance, screen content, screen size, functions, etc.
- **High Integration** – Integrated and comprehensive system including display, 2-way visual emergency phone, camera, access control, voice announcement, lift monitoring, and optional touch panel, etc.
- **Excellent Reliability** – Distributed access, analysis and acquisition processing independently, effectively improve performance and scalability, and the device regularly self-test to ensure stability.
- **Flexible Connectivity** – A wide range of interfaces are provided, eg. optical fiber, twisted pair, WIFI, GSM / LTE, etc.
- **Remote Configuration** – Remote access to device enables configuration, service, maintenance, and upgrading of software without the need for an on-site visit
- **Forward Compatibility** – Highly scalable structure provides a wide range of interfaces for seamlessly access of future function
- **Perfect Security** – · Can be accessed only via Intranet (Optional) · Floors can be protected by face recognition (under roadmap) · Expandable modules: RFID tag readers, biometric sensors, IC card reader, etc.
- **Future Service** – A variety of future applications and service can be provided to elevator companies, maintenance personnel and property managers.
- **Low Investment** – Highly integrated design ensures to save on wiring and equipment investment, media advertising can bring continuous revenue.

Features

● Customizable Design

Appearance, screen content and functions are highly customizable according to customer's requirement. It supports surface mount and flush mount. Various display sizes are available (10.4 or 15.6 inches and larger)

● Lift Activities Display

Display lift activities: floor number and running direction
Display emergency warnings for fire, overload, door obstruction etc.

● Multimedia Release Management

Digitization of community management, remotely release community notifications and advertising

● Integration of Lift Access Control System

Connect with lift access control system to realize remote authorization management

● Two-way Visual Emergency Phone

2-way audio and video communication between the lift car and the control center

● Face Recognition

Boarding without pressing any button, automatic authentication (under roadmap)

● Voice Comfort

Automatic rescue broadcast to comfort trapped passengers

● Voice Announcement

Remote configuration and programming of voice announcement are enabled

● Remote Connectivity

Via PSTN/Ethernet/Cellular modem

● Meets the latest North American and European regulations and lift standards (EN 81-28: 2018, EN 81-70, EN 81-1, ASME 17.1, ADA and more)



Please scan the QR code for more information

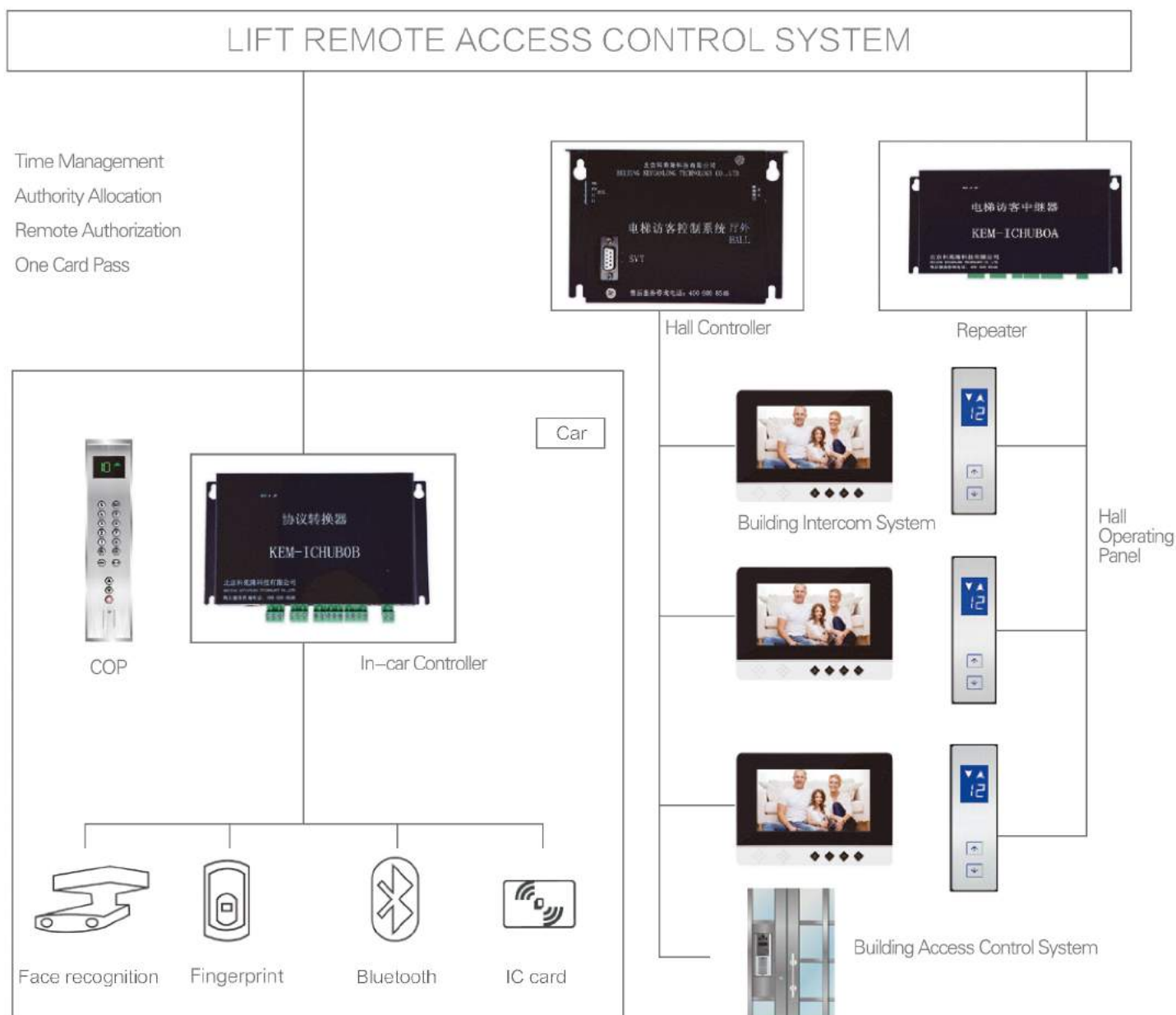
Lift Remote Access Control System

Efficient travel

Comfortable

Secure

Face Recognition

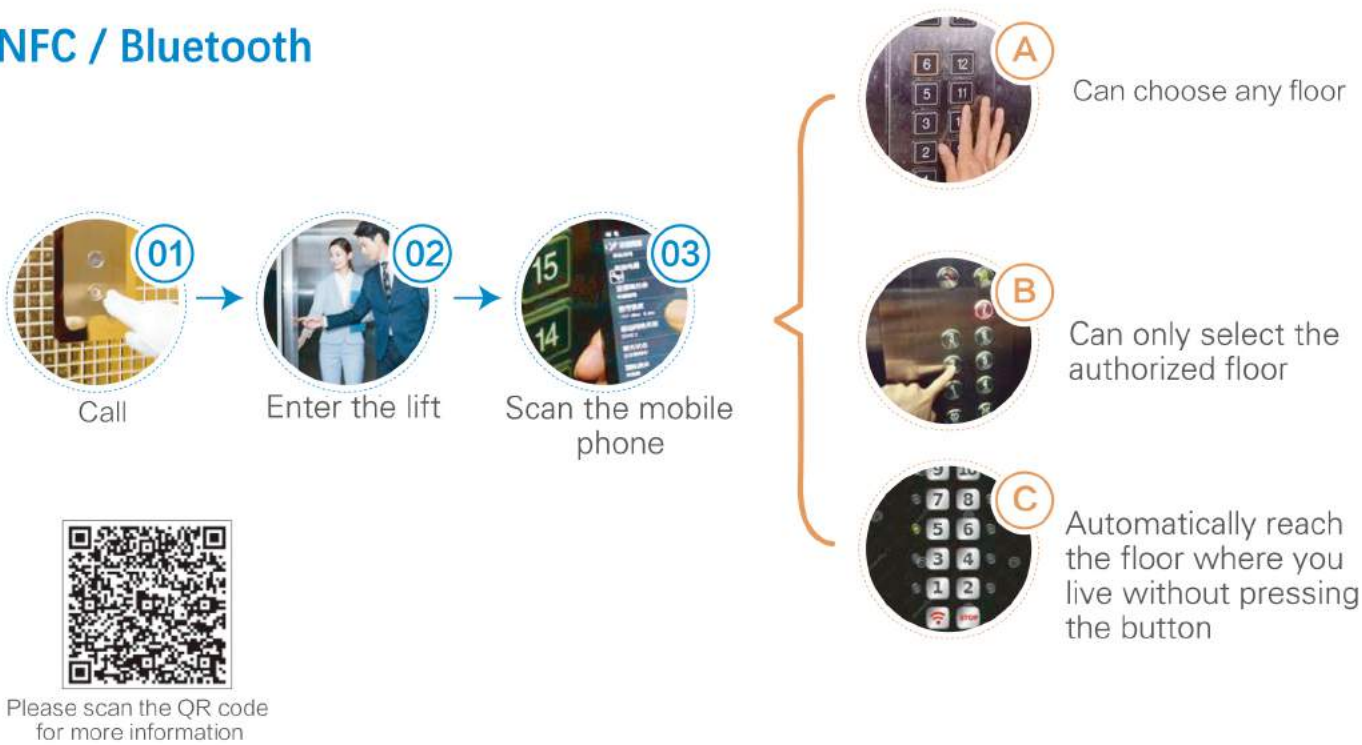


Multiple Intelligent Identity Recognition Device



Keyuanlong® lift remote access control system converts different types of access control systems and building intercom signals into lift calling control protocols, realizing remote lift calling and taking.

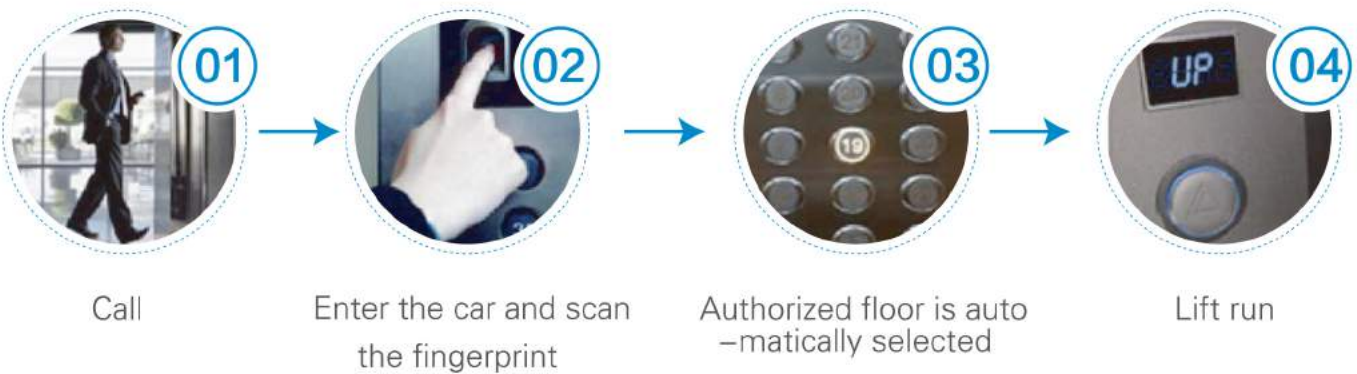
NFC / Bluetooth



RFID



Fingerprint



Magnetic Switch Series

BN Series Magnetic Protection Switch

Product Features

☆ Characteristic

- Bistable, plastic housing, long life, non-contact principle
- The front surface of the switch is triggered, and the surface is colored according to the opening, closing and action modes.
- Two M4 screws fixed, 4.8mm flat plug

☐ Other

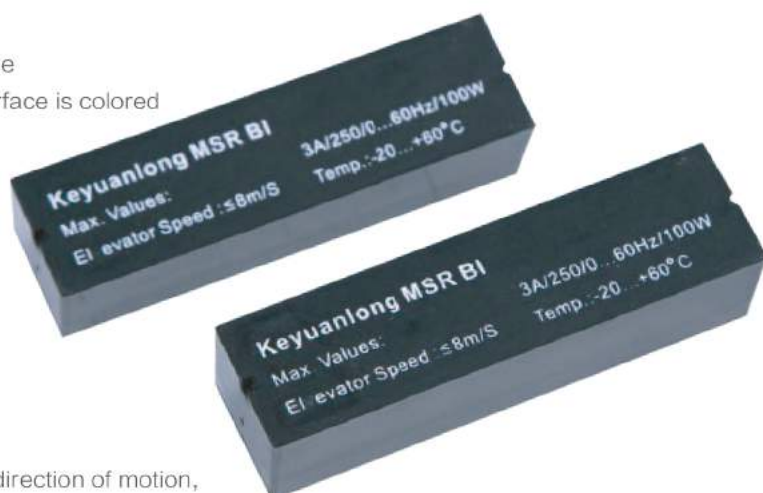
- Double magnetic separator
- 4.8mm flat plug
- 6.3mm flat plug
- Cable connector

☒ Features

- The pull-in and turn-off of the switch depends on the direction of motion, the polarity of the trigger magnet and the magnet.
- For lift leveling sensors, various industrial and civil non-contact switches, limit switches, etc.

! Notice

- Trigger magnets are not included
- Select the appropriate trigger magnet according to the usage



CK-7 SERIES MAGNETIC PROTECTION SWITCH

Product Features

☆ Characteristic

- Bistable magnetic protection switch
- Plastic case, dustproof, explosion-proof long life
- Non-contact principle

☐ Other

- DCK-7 is plug-in
- DCK-7A is UL-approved imported lift terminal block
- DCK-7B adopts UL approved imported lift terminal block

☐ Application

- Can be used for lift leveling sensors, speed change switches, limit switches, position measuring sensors

! Notice

- Trigger magnets are not included
- Select the appropriate trigger magnet according to the usage



C-122 SERIES MAGNETIC PROTECTION SWITCH (BISTABLE)

Product Features

Function:

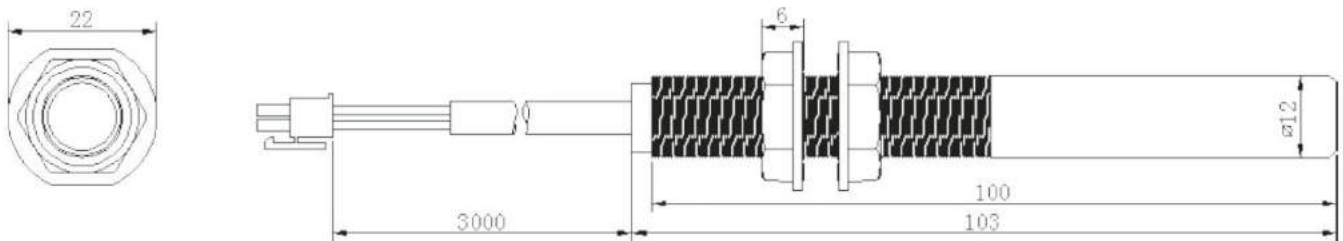
In the field of magnetic field, the magnetic switch is in the state of suction and keeps this state; leaving the magnetic field, the magnetic switch returns to the original disconnected state. For the non-contact switch such as lift door magnet and building door magnet.

Features:

Bistable, normally open; Switch front front trigger
Plastic Shell; Long Life; Non-contact principle
Double insulated cable leads, 3 meters in length

Notice:

Trigger magnets are not included in this trade
Select the appropriate trigger magnet according to the usage



C-122 SERIES MAGNETIC PROTECTION SWITCH (MONOSTABLE)

Product Features

Function:

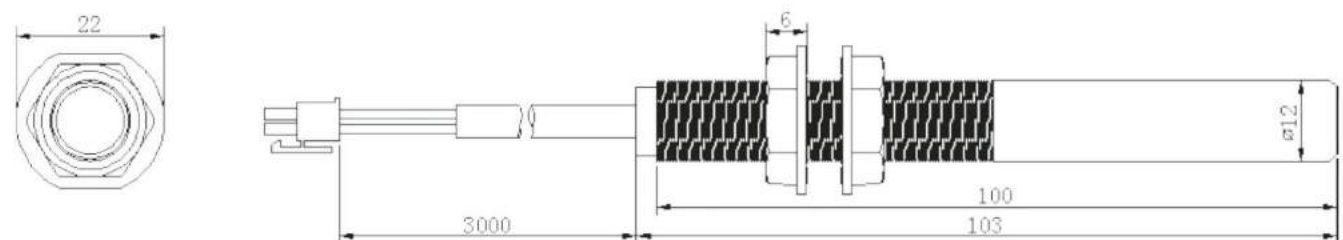
In the field of magnetic field, the magnetic switch is in the state of suction and keeps this state; leaving the magnetic field, the magnetic switch returns to the original disconnected state. For the non-contact switch such as lift door magnet and building door magnet.

Features:

Monostable, normally open; Switch front end trigger;
Plastic shell; Long life; Non-contact principle;
Double insulated cable leads, 3 meters in length

Notice:

Trigger magnets are not included
Select the appropriate trigger magnet according to the usage



MAGNET



- ◆ Highly customizable for a variety of sizes, shapes, etc.
- ◆ Support quantitative magnetization
- ◆ Can be grouped into categories
- ◆ Material is divided into ferrite, rare earth, rubber soft magnet



Load Cell

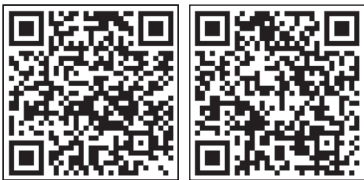


Principle

The load cell converts the mechanical deformation caused by gravity into a voltage signal.

The load cell uses a strain gauge principle and the strain gauge is attached to the elastomer. When the action of the external force causes the elastic body to deform, the strain gauge on the elastic body is deformed accordingly. Due to the change in the external shape of the strain gauge, the resistance value will change accordingly. For each load cell, at least 4 strain gauges are joined together to form a Wheatstone bridge. The strain gauges that are joined together are compressed and stretched to produce a change in positive and negative resistance, thereby creating an imbalance in the bridge.

BEIJING KEYUANLONG TECHNOLOGY CO., LTD.



Discovery More Information

- +86 10 8352 8568
- +86 18811335575
- master@keyuanlong.com.cn
- www.keyuanlong.com.cn