ZKBioSecurity Elevator Control Solution

One Touch To Access All Areas

Fingerprint Recognition

Face Recognition

Palm Recognition

Finger Vein Recognition

Iris Recognition

Card Recognition

- Unlimited Guards & Admin Accounts
- One Touch To Access All Areas
- Full Functioned Visitor Module
- Anti-Passback and Global Interlock
- Multi Card Technologies:
  Support HID Proximity, HID iClass, Mifare Classic, Mifare Plus, DESFire EV1/ EV2, LEGIC, ID Proximity
- Support Biometric Technology:
  Fingerprint & Finger Vein & Palm & Face Recognition

ZKBioSecurity Elevactor Control Solution

Product Overview

① Elevator Control Panel - EC10

The EC10 Elevator Control Panel can restrict access up to ten floors. Floor access can be restricted based on various user credentials, including fingerprint, proximity card and/or password. During normal visits/business hours, unrestricted floor access can also be permitted

② Elevator Expansion Board - EX16

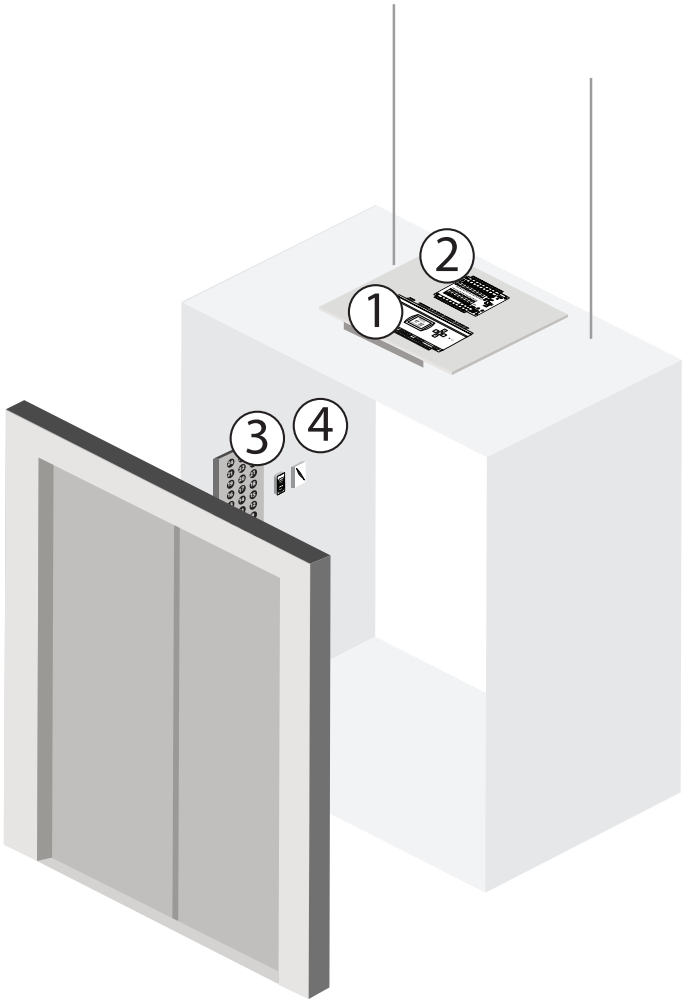
The EX16 is the Elevator Floor Extension Boards which is the support of EC10, it restricts access up to an additional sixteen floors. Each EC10 can support up to three EX16 boards. When combined, a total fifty eight (58) floors can be controlled with a single US10 bundle.

③ Finger Print Reader - FR1500

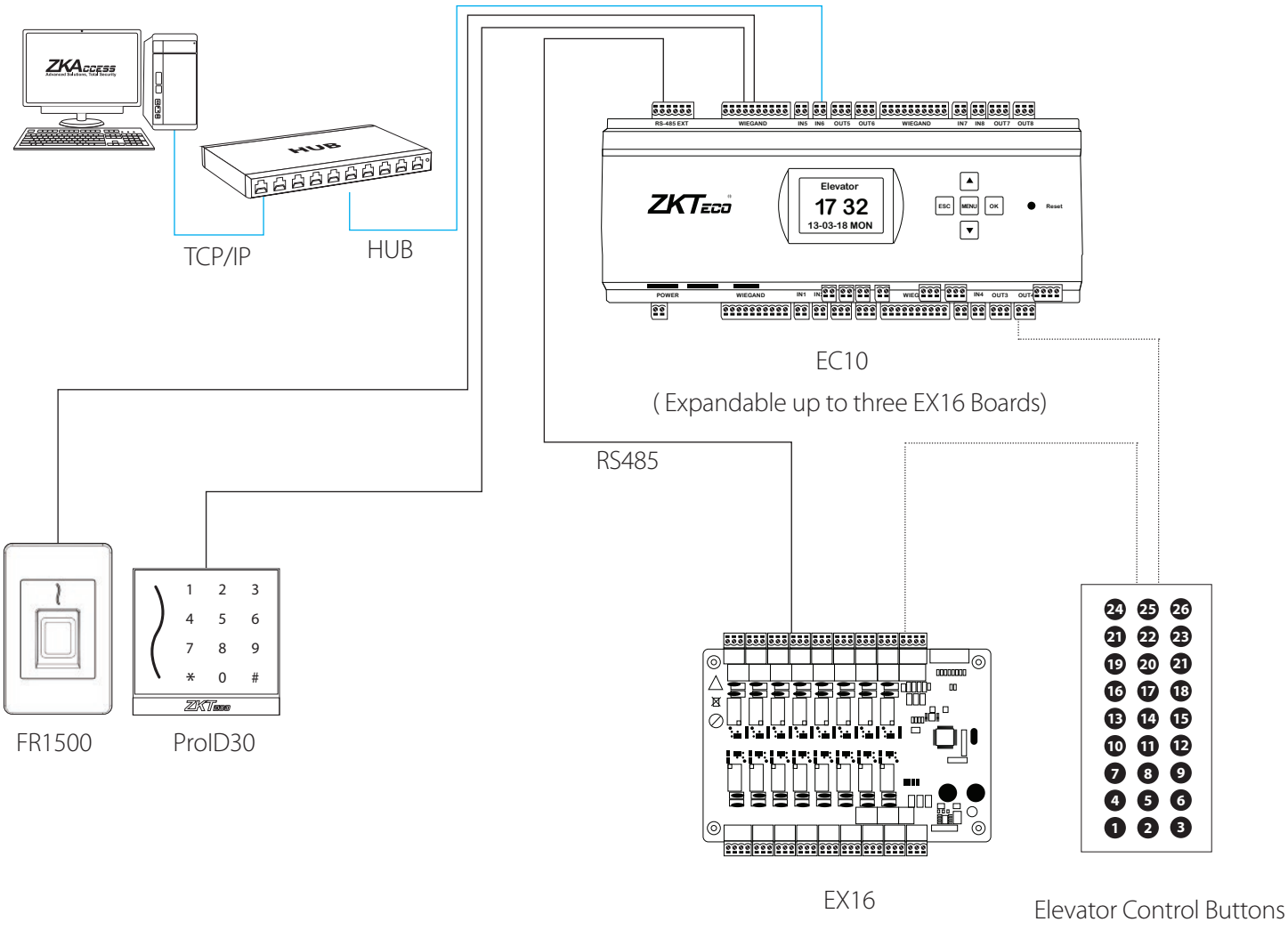
FR1500-WP is a waterproof fingerprint reader with a flush-mounted design for neat installation. It can be connected by RS-485 and has a SilkID sensor.

④ RFID Reader with Keypad - ProID30

The KR Series is the mifare card reader, which is the main accessories line of external wiegand readers for all our access control devices.



Typical Installation



Specifications

EC10

Capacity

Floor Button Control Relay: 10
Fingerprint: 3,000
RFID Card: 30,000
Event: 100,000

Communication

To PC: Ethernet, RS485
To EX16: RS485

Power

12V DC, 3A

Supported Options

EX16 Board: Up to 3

EX16

Capacity

Floor Button Control Relay: 16

Communication

To EC10: RS485
RS485 Address: Set by DIP switch

Power

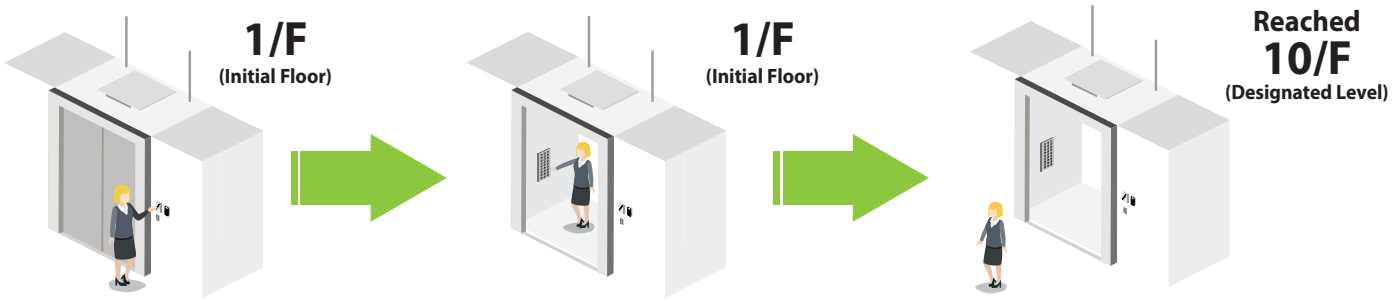
12V DC, 3A

Elevator control with designated level

Levels Assigned by Users

ZKTeco elevator control allows different user to access floors, it can be assigned with different floor access rights, and unauthorized users are not allowed to access those important floors. In the actual implementation, users have to present card on the elevator, and the elevator will allow user to reach to the assigned level. This will enable the security management of the whole building elevator access control using the elevator controller installed on each elevator car.

Users have to present card on the elevator, if the users has the access right, they will be allowed to go to the designated level, otherwise, the elevator will stay at the present floor.



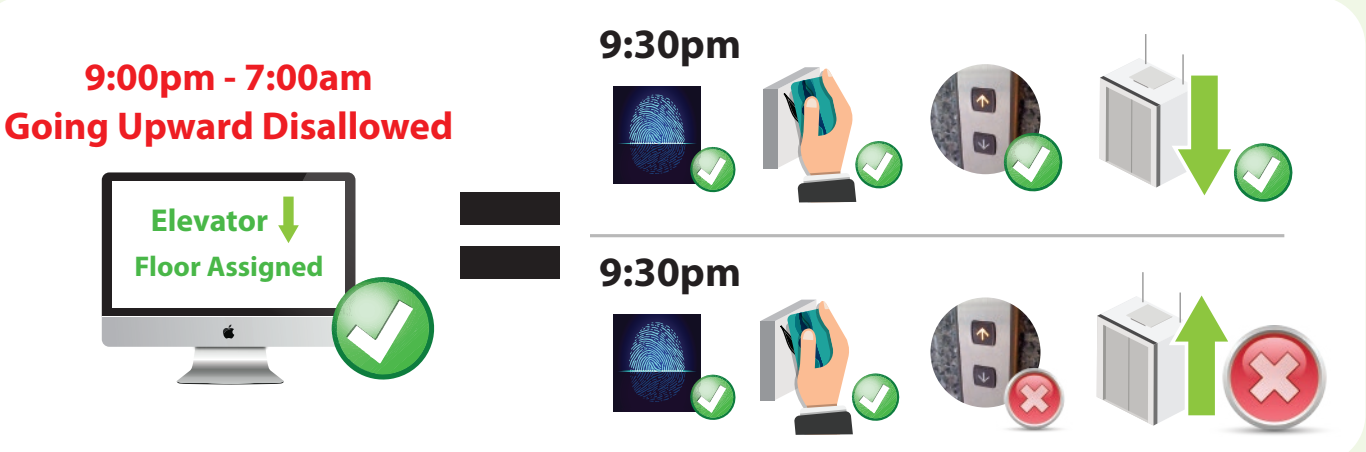
Present card on the elevator

Users will be allow to select the desired floor if they have the access right to the designated level.

Reach the desired floor

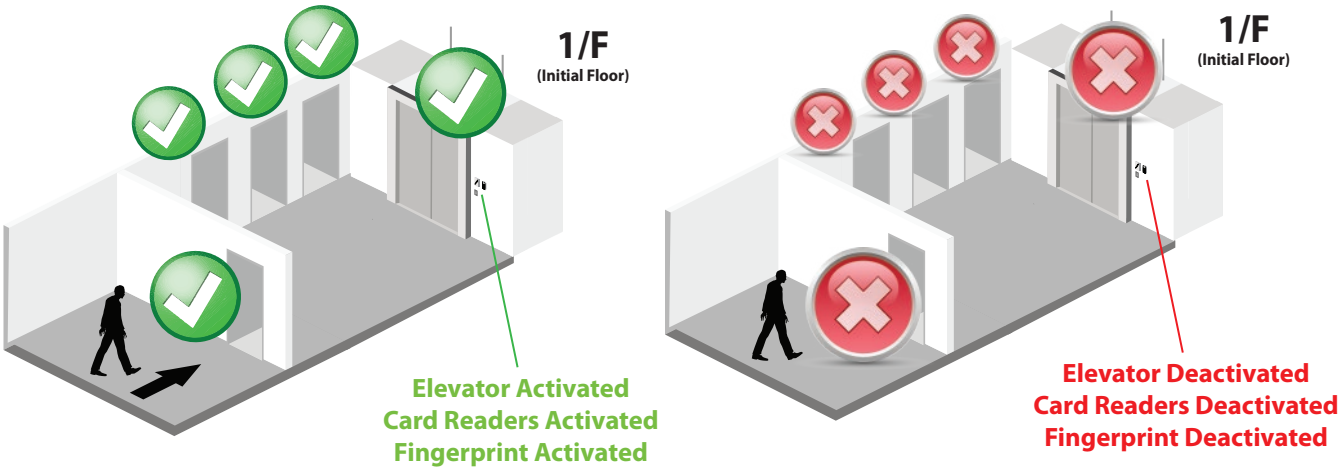
Elevator Operation Limitation by Timeslots

ZKTeco Elevator Control is able to limit elevators' operation in specific time. For actual implementation, if the elevator control was set to stop operating to go upward between 9:00 p.m. to 7:00 a.m., Unauthorized persons will only be allowed to go downward even with cards for floor access.



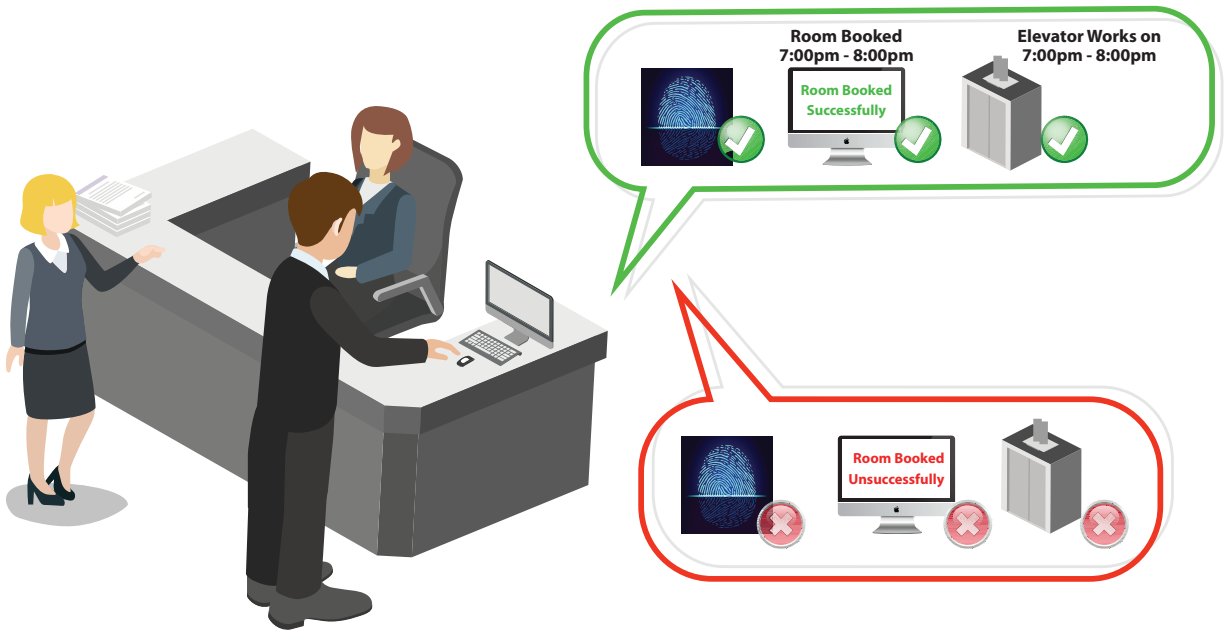
Global Interlock

Global Interlock is another advanced security function that enhances security level by interacting with different security areas. It prevents persons opening more than one door at a single time even the persons have multiple door access authorities. It also is able to precisely appoint access authorities including activations of access authorities of specific doors only when the correlated doors are locked up properly.

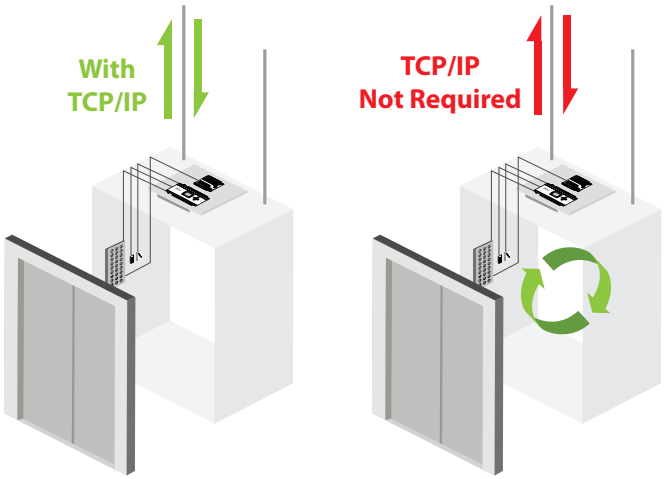


Registration

Elevator, control allows users to stop the elevator on the specific time, and grants elevator to operate if the elevator to work if there is a booking for the other location. For example, to book the classrooms for teaching and the elevator, the users just simply click out the corresponding date and time via ZKBiosecurity software web based platform and get approval by pressing a hand or finger to a scanner. This proven and recognized biometric procedure ensures that the person is authorised and has a right to book a room and working time of the elevator.



Online Mode/ Offline Mode



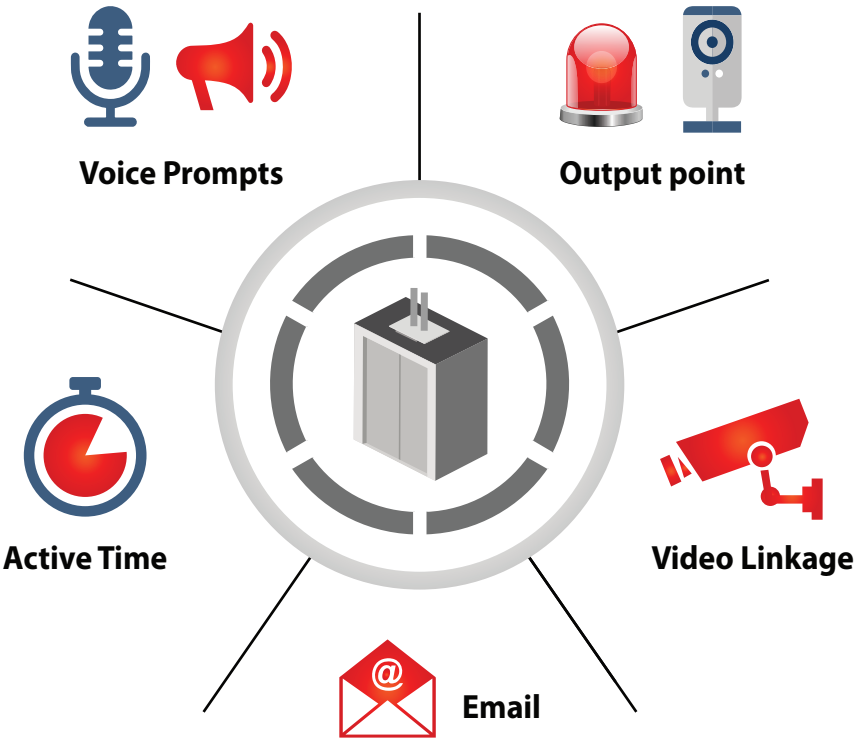
ZKTeco elevator control can either operate in online or offline mode.

Online Mode: Require TCP/IP, and all elevator access transaction is stored locally in elevator controller and automatically upload to back end server.

Offline Mode: Offline data can be read with current Mifare which will not require the TCP/IP. The advantage of using offline mode is the old elevator will also be able to install the elevator control with the low installation cost.

One Touch To Access All Areas

Global Linkage



ZKBiosecurity provides the Global Linkage Service to the user. It is able to automate system functions and notifications system wide.

There are multiple tiers to the alert process including Output point, Video Linkage, Active Time, Email Notification and Linkage Voice Prompts.

Output point

With Global I/O, Output point allows administrators to configure linkages where various events can be linked to any other input/ output/ events in the system. These linkages can be actived by various events with different access level, invalid card, unrecognized finger-print read and motion detection might trigger such outputs (Alarm, IP Camera...etc).

Video Linkage

Photo Capture and Pop-up video to warn administrator when exceptional events take place. Video could include footage before the events happened. Video length could be up to 180 seconds.

Active Time

Administrator can set an active time for the linkage by pre-defined time zones or date range.

Email Notification

Email notification allows an operator to send a message via email automatically whenever a specific trigger occurs.

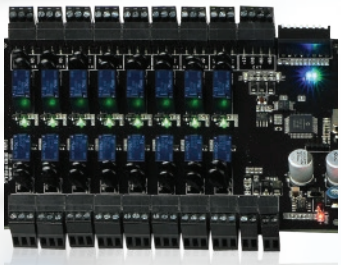
Linkage Voice Prompts

Voice linkage will announce series of warning messages which are accompanied by siren sounds. These linkage the announcements will be caused by particular action.

EC10
Elevator Control Panel

- Secure, scalable and versatile
- Elevator Controls and Expansion Boards
- Supports up to three EX16 boards

EX16
Elevator Floor Extension Board



- Restricts access up to an additional sixteen floors

ProID30
RFID Reader with Keypad

- High Stability and energy efficiency
- LED light and touch keypad
- RS485 output
- Waterproof IP65
- Black or White color available

FR 1500 / FR 1500-WP
Fingerprint Reader For Indoor and Outdoor

Latest Silk ID Technology

Perfect Compatible with Single Gang Junction Box

LEARN MORE

ZKTeco

ProBio
Multi-Biometric Access Control Terminal

- Revolutionary SilkID Fingerprint Sensor.
- Multiple Verification Modes:
  Face / Fingerprint / Card / Password.
- Outstanding Performance With Dry, Wet and Rough Fingers.

Green Label

SilkID inside

ProID
Physical Access Readers

- High stability and energy efficiency.
- LED light and touch keypad.
- Waterproof design (indoor or outdoor)
- Black or white color available.

ZKBioSecurity
All in One Solution

Features:

- Web Based Platform
- All-In-One Solution
- Many Doors Management Capacity
- Neat and Tidy, Simple User Friendly UI
- Email Notifications
- Data Auto-Backup Function
- Support 3rd Party Video Device
- Global Anti-Passback and Linkage
- Huge Data Processing Capability

The Leader Of Security And Time Management Solution

Fingerprint Recognition

Face Recognition

Palm Recognition

Finger Vein Recognition

Iris Recognition

Card Recognition