

## **ZKBioSecurity Destination based Dispatching Solution**

### **High Level Integration With 3rd Party Elevator Destination Control System (DCS)**



#### **Powerful System Integration Features**

- Integration with Access Control, Surveillance, Time Attendance and Entrance Control
- Improved Security and Smoother People Flow
- Integration with the Elevator System Directly
- Seamless Integration with Access Control, Surveillance, Visitor Management, Parking and Entrance Control etc.
- Supports Various Card Formats like HID/ Desfire/ Mifare
- Energy Efficient Elevator Technologies

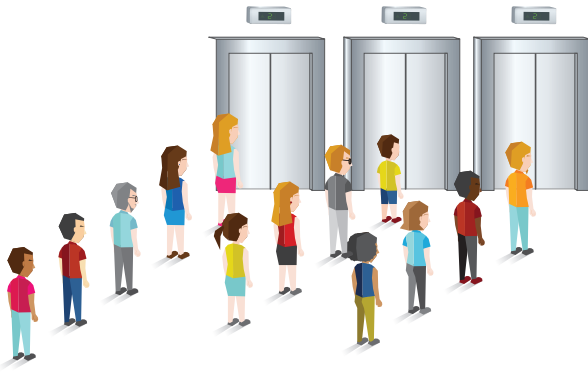
## The Benefits of Using Destination based Dispatching System

Elevators are a necessity of modern living, and destination based dispatching system is playing an important role that system can control various numbers of elevators, depending on the selected control panel. This can improve with smoother people flow, business security and reduce costs (especially for the high building with lots of staff and visitors.).

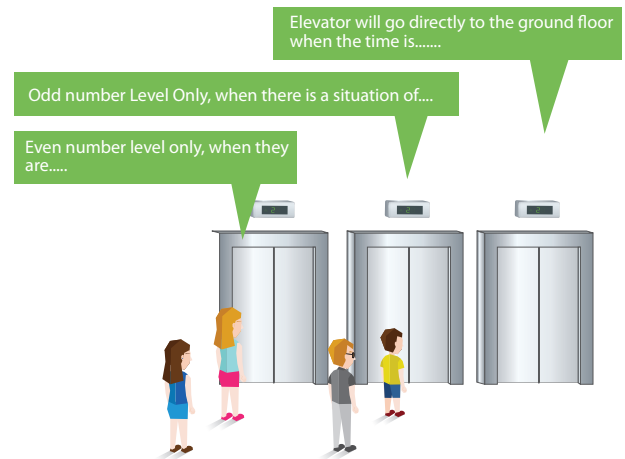
### Improve Security and Smoother People Flow

The elevator control system can automatically calculate the best rate of car allocation, to generate the most effective operation flow to maximize passenger's capacity and eliminate the lining up solution.

Without the intelligent elevator system



With the intelligent elevator system



### Energy Efficient Elevator Technologies

Elevator control system is reducing an overall energy usage with control strategies to the elevators that are extremely energy efficient. It has improved the elevator controls, hardware, and other systems that not only use less energy, but are much more compact, efficient, and even generate electricity that a facility can use.



## Integration - Add Value to the Elevator Control

(Supports Kone, Mitsubishi elevator)

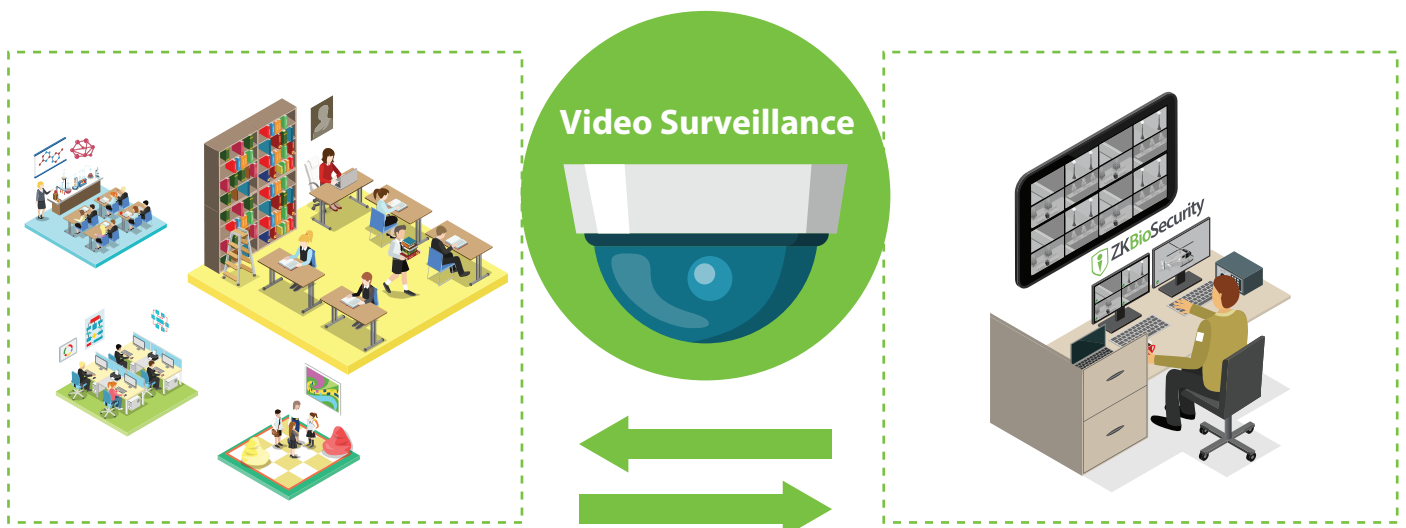
### Integration with Access Control, Surveillance, Time Attendance and Entrance Control

ZKTeco's product including access control, video surveillance and turnstile can integrate with KONE, Mitsubishi, or any other third-party elevator control system to further enhance security and people flow. By integrating our access control and turnstile solutions with the elevator, it benefits the construction from consistent design, flexible personalization features, and enhanced comfort for visitors and tenants.



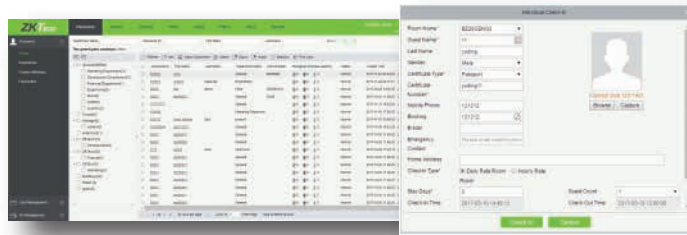
### Integrated with the Video Surveillance (Real Time Monitoring)

The integration can enhance the functions of the 3rd party elevator control including video surveillance, which enables real-time monitoring to the entire area. It allows you to view multiple cameras simultaneously, view recorded images, search through archived footages, play back events, and much more. Remote video surveillance is perfect for users who are often off-site, and therefore not able to be on the local computer system where their IP cameras are connected.



## Integrated with the Time Attendance (Attendance Record)

The integration also provides methods to manage, review and edit personnel's basic information, position information, contacts, and academic background etc.; it is convenient for managing staffs to easily make use of personnel's information and save the manpower for manual review of printed materials.

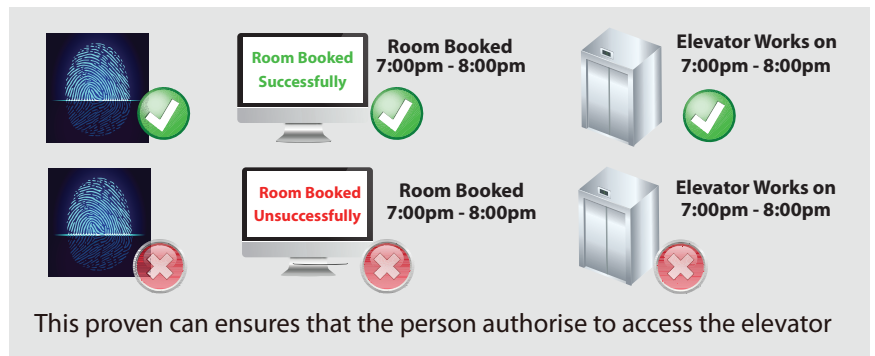


## Integrated with Visitor Management

ZKTeco's visitor management system maximizes your front desk's efficiency by allowing the receptions to work on other important projects while your visitors sign themselves in. Better yet, it enhances the safety and security of your facility while ensuring regulatory compliance. During regular auditing, ZKBiosecurity goes the extra mile to give you the reports you need.



Visitor just simply regeest his info via the integrated readers.



## Elevator Operation Limitation by Timeslots

The integration with ZKTeco's products also enables to limit elevators' operation in specific time. For actual implementation, if the elevator control is 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.

**9:00pm - 7:00am**  
**Going Upward Disallowed**



**9:30pm**



**9:30pm**





## Integrated with Entrance Control

The integration with access control system activates guided transport operation to the KONE, Mitsubishi and other's elevator destination Control System (DCS) when the user passes through the turnstile.



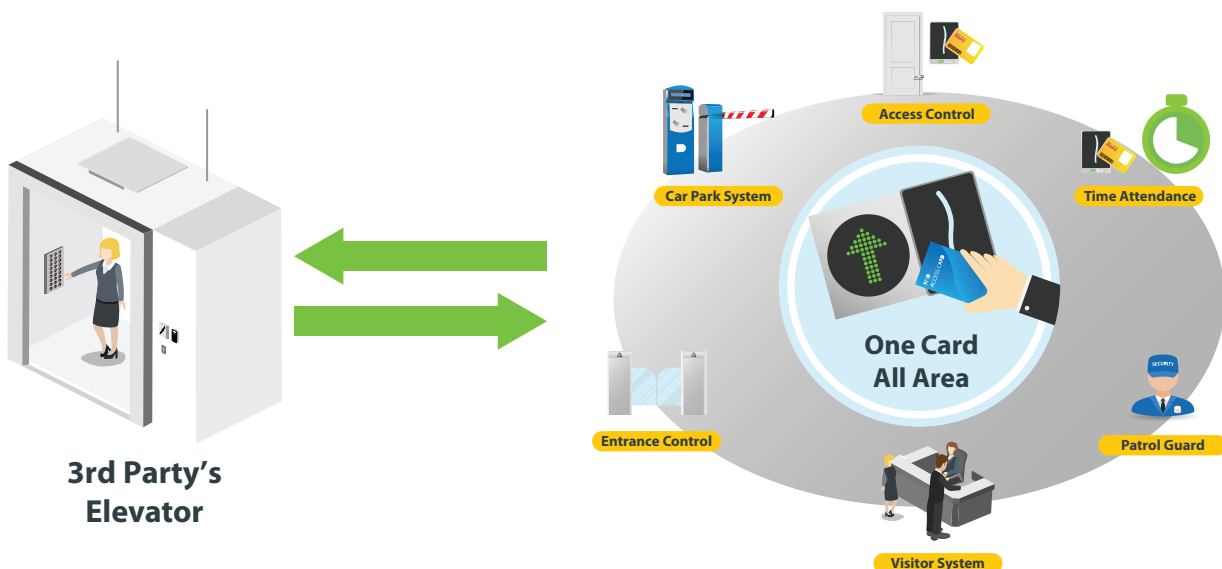
## Supports Various Cards Format

The composition with third party elevator control will be able to handle most RFID cards, such as: EM Card, MIFARE, DESFire EV1, HID Proximity, HID iCLASS, Felica, Tybe B...etc



## Valuable Price for the All in One Solution

ZKBioSecurity3.0 is the ultimate "All in One" web based security platform developed by ZKTeco. It contains four integrated modules: access control, video linkage, elevator control and visitor management. It provides the most advanced solution for a whole new user experience.



## Integration with 3rd party COP and DOP



Elevator control integration with any ZKTeco's access control system which can be integrated with the various elevator system. The card readers can be installed in the calling devices such as the COP (Car Operator Panel) or Destination Operator Panel (DOP).

### DESTINATION SOLUTION - DOP INTEGRATION

- Card reader in Destination Operator Panel (DOP)
- One DOP Panel on Each Destination Level
- Digital input in the lift system

Access card reader will be placed outside elevator to allow passengers to flash the card and then travel to the desired travel direction, our integration with the destination control system takes into account desired destination floors.



Card reader in DOP  
Destination Operator Panel



Card reader in COP  
Car Operating Panel

### CARD OPERATION SOLUTION - COP INTEGRATION

- Key switch in Car Operator Panel (COP)
- One Reader in the lift
- Digital input in the lift system

Access card readers can be mounted in elevator. They can also allow tenants to show their access card and choose their destination floors at the same time.

### HYBRID INTEGRATION SOLUTION (DOP + COP)

- Card reader in DOP and COP
- One DOP (Ground Floor) and One COP (Elevator)
- Digital input in the lift system

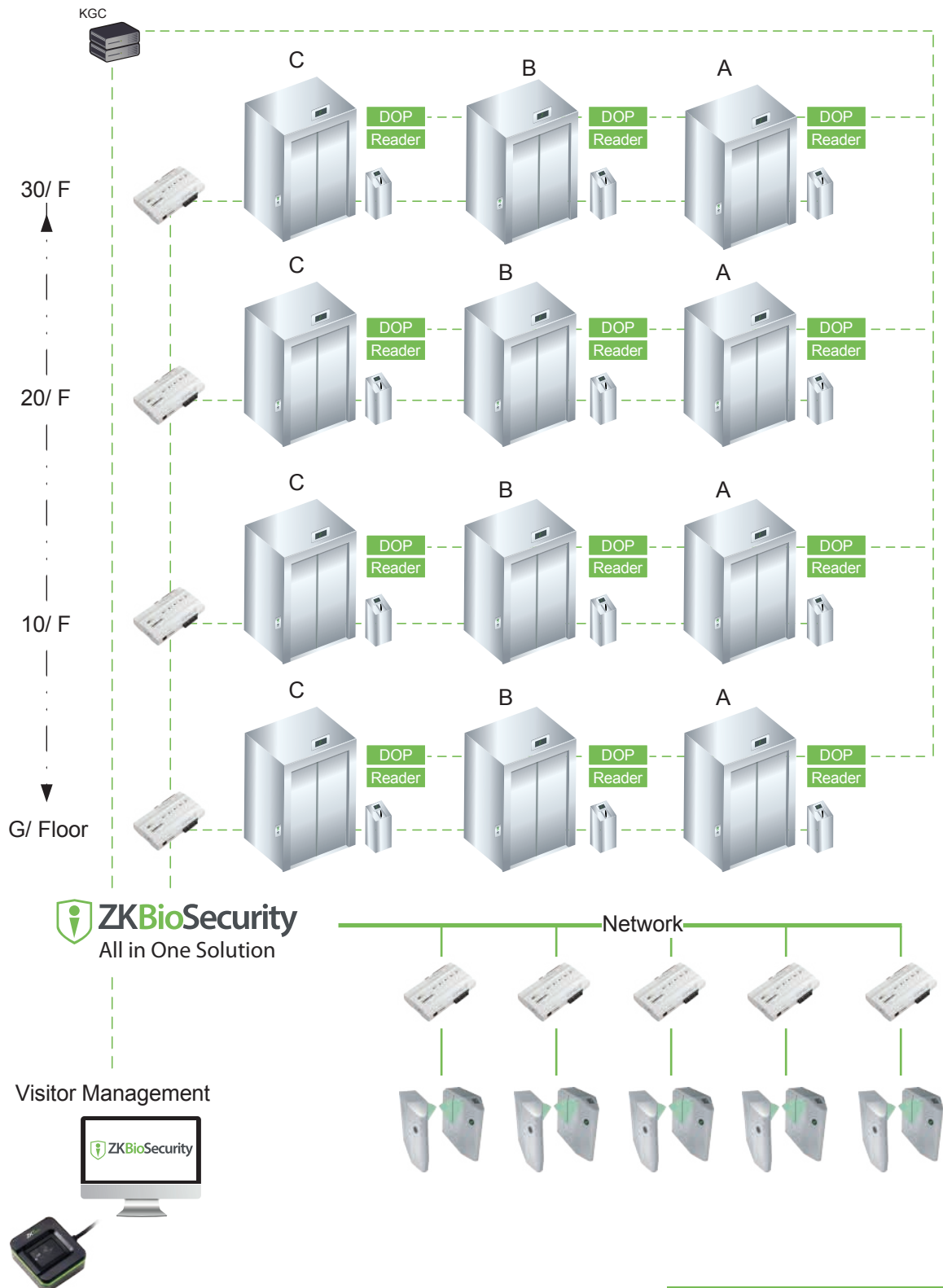
The card readers are integrated with the COP (Elevator) and DOP (Ground Floor). Passengers are selected by the destination before entering the elevator, and is guided directly to the designated level and leave office by showing their access card in the elevator to select the building level.



Card reader in  
Destination Operator Panel  
and Car Operator Panel

## DESTINATION SOLUTION - DOP INTEGRATION

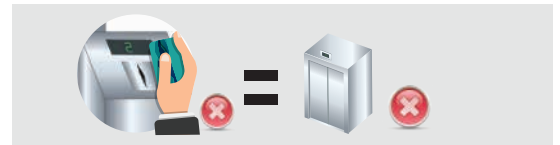
Access card reader will be placed outside elevator to allow passengers to flash the card and then travel to the desired travel direction, our integration with the destination control system takes into account desired destination floors.



Concept Diagram - DOP

## DOP Integration

The integration with 3rd party elevator control allows different users 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 outside 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 outside on the elevator, if the users has the access right, they will be allowed to go directly to the designated level, otherwise, the elevator will stay at the present floor.

### Example of DOP Application

#### If you are on the ground floor

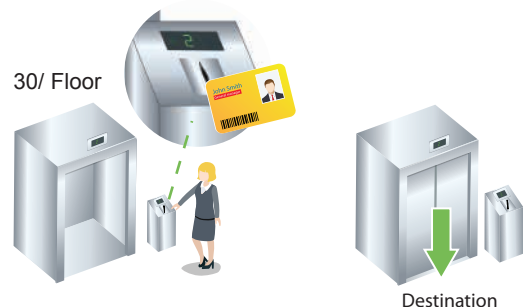


- 1 Present card on the DOP
- 2 Elevator will go upward to the destination

#### Going Upward to the Assigned Level

If passenger is on the ground floor, and he is going to his office which is on 30/F, then the passenger just simply punches the card, and elevator will automatically go to his designated level.

#### If you are on the upper floor



- 1 Present card on the DOP
- 2 Elevator will go downward to the destination

#### Going Downward to the Assigned Level

If the passenger is on the 30/F and he is planning to arrive the lobby which is on the ground floor, our integration with the DOP system will bring the passenger to the destination floor.

## DOP Integration with Entrance Control

By integrating our turnstile solutions with our destination and entrance control solutions, you will benefit from consistent design, flexible personalization features, and enhanced comfort for visitors and tenants.

### Example of DOP Application with Entrance Control

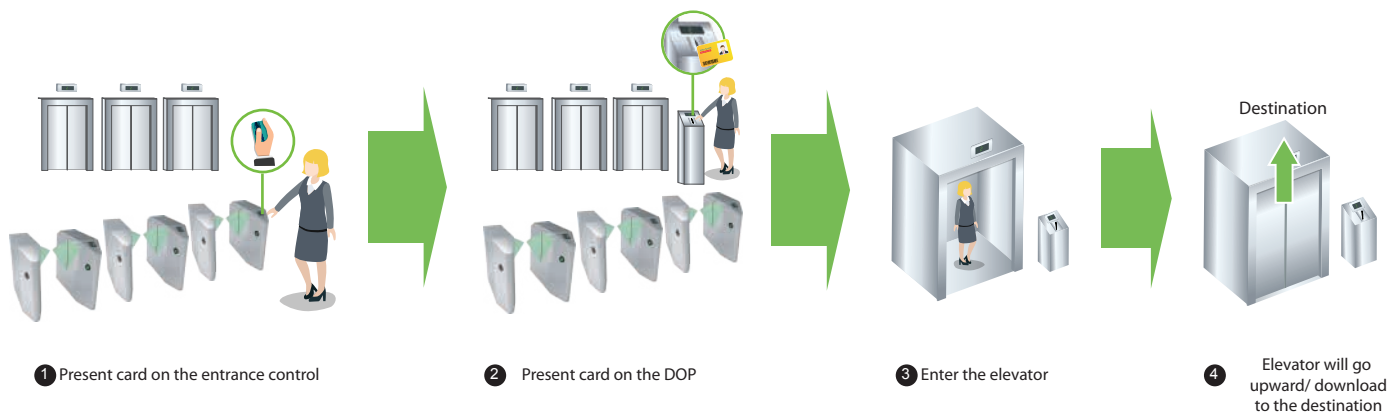
If you are on the ground floor and punch the card on the entrance control



If passenger arrives the entrance, he can present card on the entrance control, and elevator will automatically bring him to his designated level.

### Example of DOP Application with Entrance Control (Double Security)

If you are on the ground floor and punch the card on the entrance control



## CARD OPERATION SOLUTION - COP INTEGRATION

Access card readers can be mounted in elevator. They also can allow tenants to show their access card and choose their destination floor at the same time.

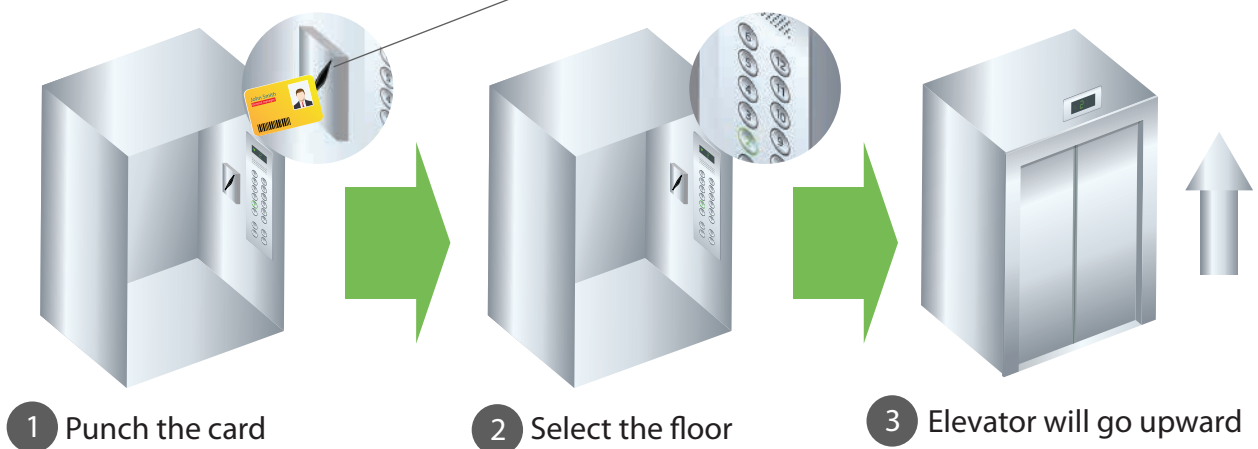
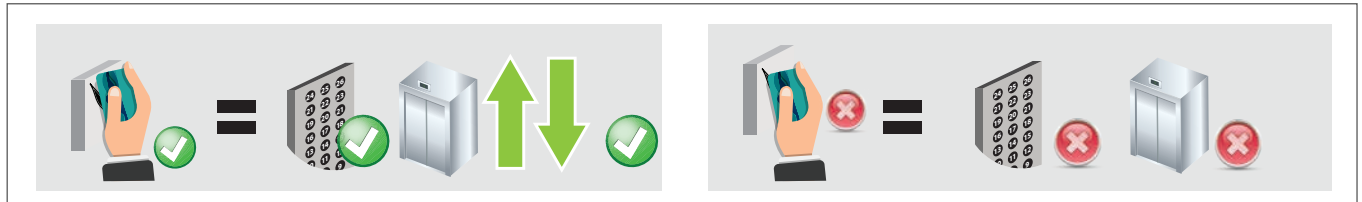


Concept Diagram - COP



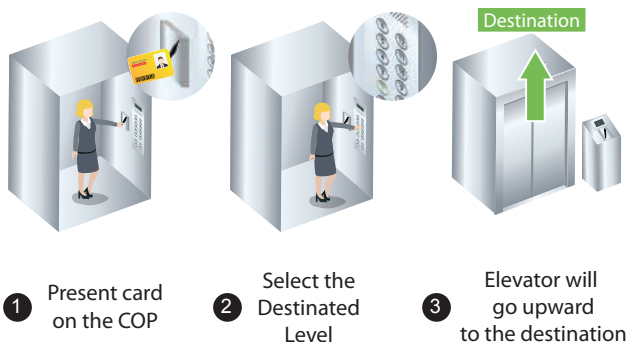
## COP Integration

ZKTeco's access control can integrate with the COP of the elevator control. Passengers have to flash the card in the elevator, if the card is authorised, they will be allowed to select the level of the building, otherwise, the elevator will stay at the present floor.



## Example of COP Application

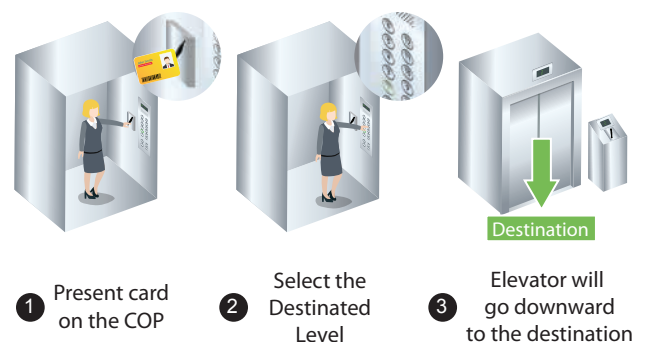
If you are on the ground floor and punch the card



### Going Upward to the Selected Level

After the passenger gets into the elevator, the passenger just simply needs to punch the card, and he will be allowed to select the floor level, elevator will automatically go upward to his selected level.

If you are on the upperfloor and punch the card



### Going Downward to the Selected Level

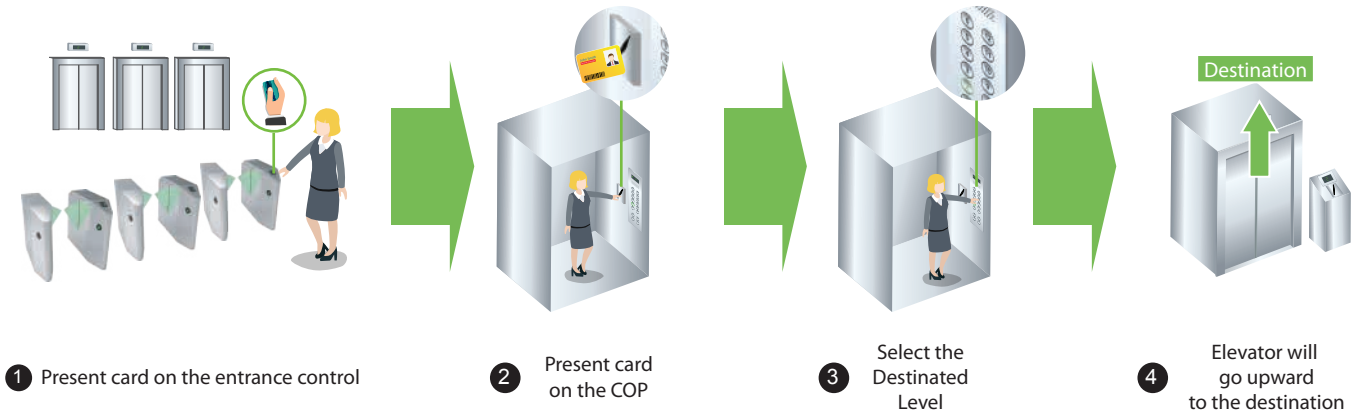
After the passenger gets into the elevator, the passenger just simply needs to punch the card, and he will be allowed to select the floor level, elevator will automatically go downward to his selected level.

## COP Integration with Entrance Control

By integrating our turnstile solutions with our destination and access solutions you benefit from consistent design, flexible personalization features, and enhanced comfort for visitors and tenants.

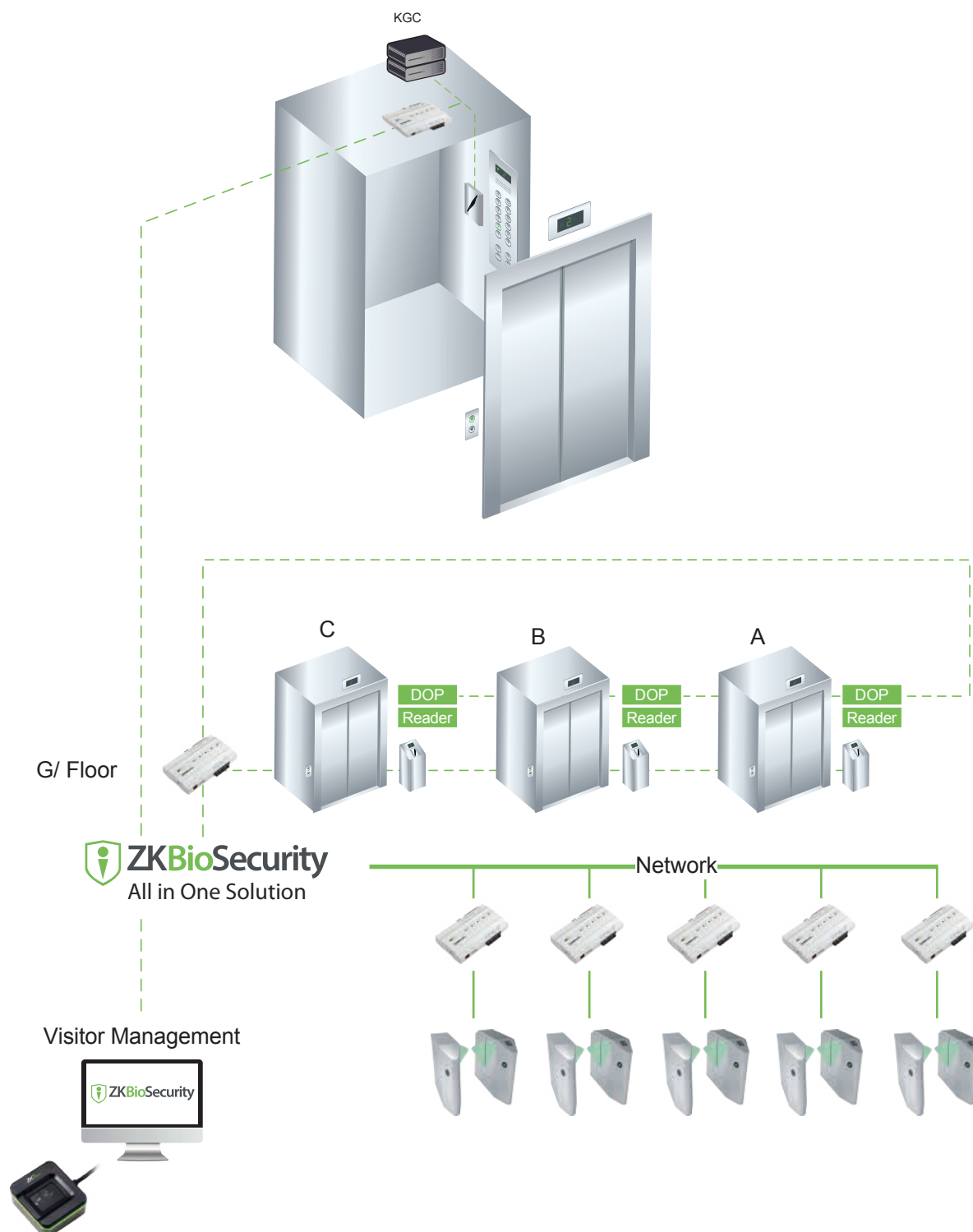
### Example of COP Application with Entrance Control (Double Security)

If you are on the ground floor and punch the card on the entrance control



## HYBRID INTEGRATION SOLUTION - DOP + COP

The card readers are integrated with the COP (Elevator) and DOP (Ground Floor). Passengers is selected by the destination before entering the elevator, guide directly to the delegated level and leave office by showing their access card in the elevator to select the building level.



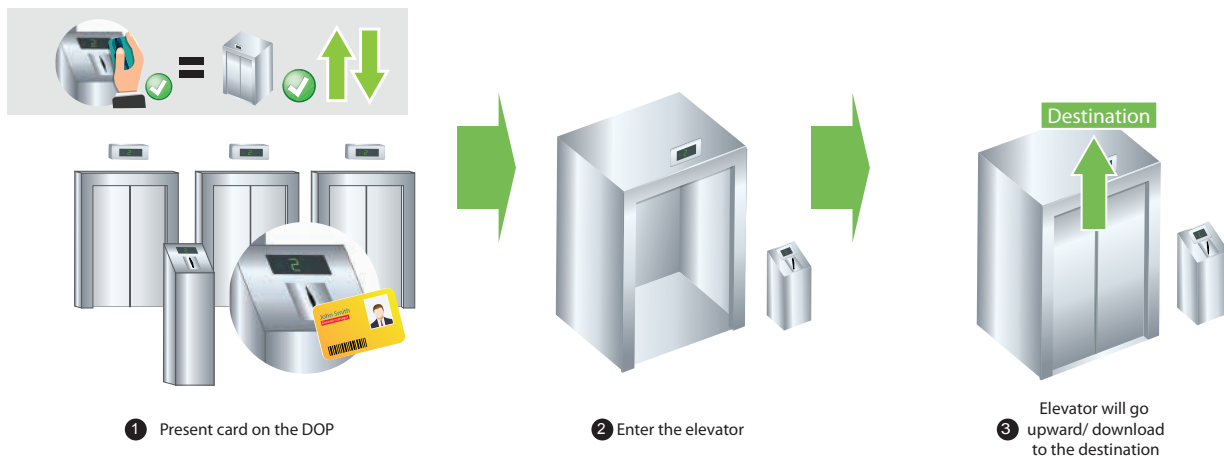
Concept Diagram - DOP + COP

## DOP + COP Integration

ZKTeco's product can combine with DOP and COP of the elevator control, the card readers are integrated with the COP (Elevator) and DOP (Ground Floor). Passengers are selected by the destination before entering the elevator, guide directly to the delectated level and leave office by showing their access card in the elevator to select the building level.

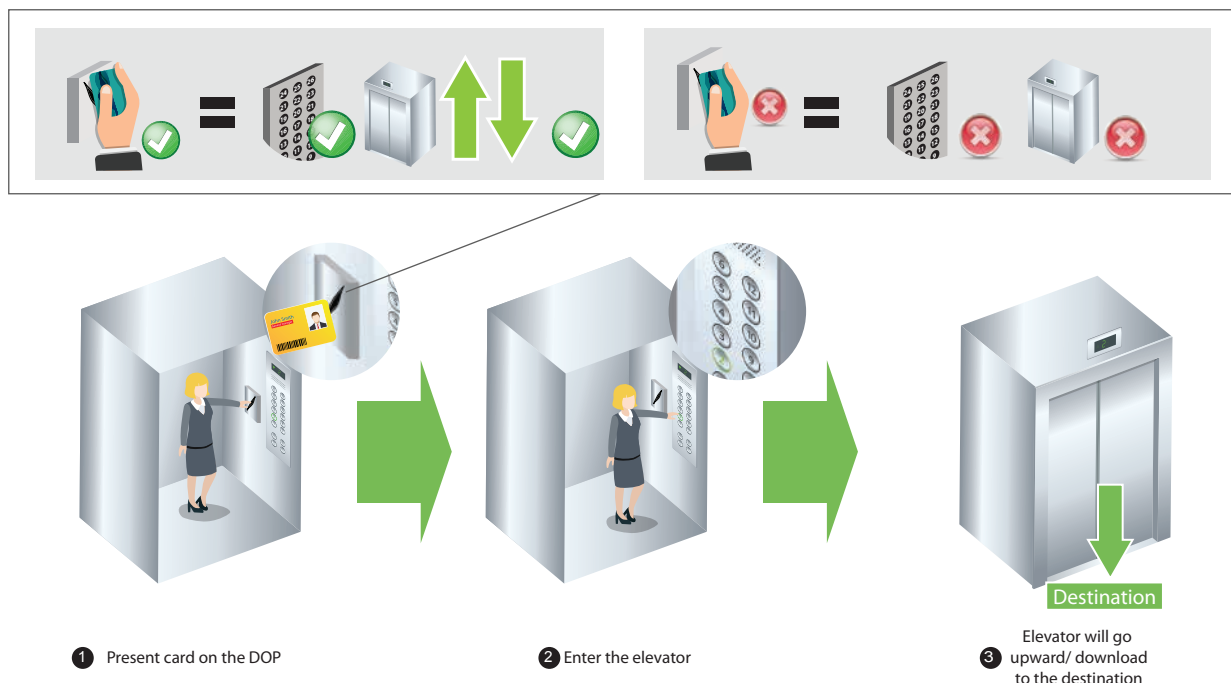
### Present card to the Destinated Level (DOP)

In the integration with DOP elevator control, access card reader will be placed outside elevator to allow passengers to flash the card and then travel to the desired travel direction, our integration with the destination control system takes into account desired destination floors.



### Present card to the select the floor level (COP)

ZKTeco's access control can integrate with the COP of the elevator control. Passengers have to flash the card in the elevator, if the card is authorised, they will be allowed to select the level of the building, otherwise, the elevator will stay at the present floor.

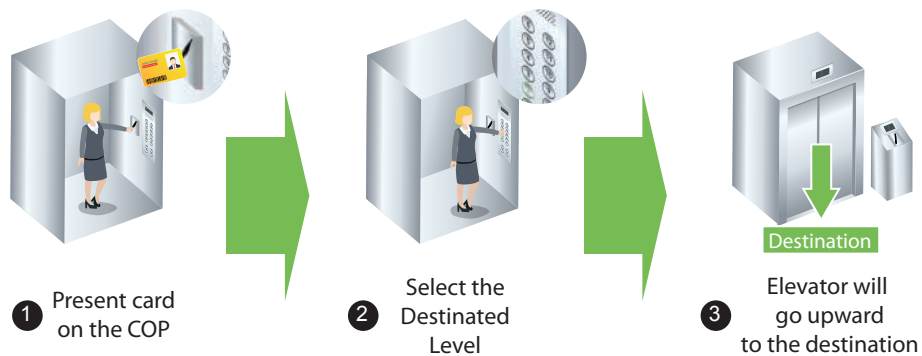


## Example of DOP + COP Application with Entrance Control

If you are on the ground floor and planning go to 30/F

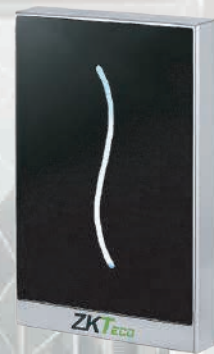


If you are on the 30/F and want to go to ground floor



## ProID Physical Access Readers

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












## InBio Pro Series IP-Based Biometric Access Control Panel

- Truly Internal Biometric Identification
- Advanced Access Control Built-In
- More than Door Control, can be functioned as lights, alarms and intrusion detection panels



## 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