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上海三菱电梯有限公司
SHANGHAI MITSUBISHI ELEVATOR CO.,LTD.

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规格如有变动　恕不另行通知
Specifications subject to change without notice
(EN-B)202305印刷

上海三菱电梯
SHANGHAI MITSUBISHI ELEVATOR

DOAS

Destination Oriented Allocation System

Reduce stops and improve transport capacity;
Fully upgraded and highly integrated;
Convenient, efficient, safe and secure.

Destination Oriented Allocation System (DOAS)

Reduce stops and improve transport capacity

As part of the elevator control system, DOAS provides a platform to passengers to call the elevator at the hall. It can effectively shorten passengers' wait time and ride time, reduce the number of stops, ease the congestion, increase the handling capacity of elevators inside the building, and create a more convenient, comfortable environment and ride experience.

Fully upgraded and highly integrated

The newly designed hall operation panel integrates the latest full lamination touch technology, simple and modern design elements, intuitive operation flow and interface design. Users can input the destination floor by swiping their cards, face recognition, scanning QR codes or manually, and guide passengers to quickly find the assigned elevator through intuitive information.

Convenient, efficient, safe and secure

The building safety is improved through the perfect integration of elevator system, permission system and gate.

The picture is drawn on a computer, which may differ from the physical objects.

WHY USE DOAS

Elevators with conventional control system

DOAS
Destination Oriented
Allocation System

“Elevators Are Quite Busy” at Peak Hours

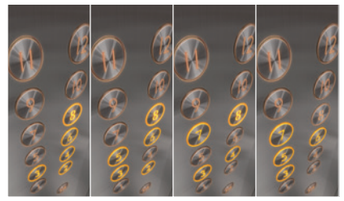
Conventional call buttons only register the traveling direction and the group control system cannot know the number of passengers and their destination floors, resulting in low operation efficiency.

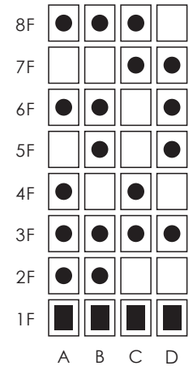
Wait time is quite long?

Car is very congested?

Too many stops?

Example:
Elevator **A** needs to stop at **5** floors,
Elevator **B** needs to stop at **5** floors,
Elevator **C** needs to stop at **4** floors,
Elevator **D** needs to stop at **4** floors.





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WHY USE DOAS

Elevators with DOAS

Advantages Of Doas

More efficient
Improve the transport efficiency of the elevator at peak hours.

More convenient
Reduce the number of stops and shorten the time the car takes the passenger to the destination floor.

More comfortable
Allocate an appropriate amount of passengers to each car to avoid overcrowding.

Safer
By integrating the permission system and the gate linkage system (optional), only authorized people can enter the building.

Humane
Display the destination floor,and passengers can quickly identify the assigned elevator. Special buttons are available for disabled people, which reserve longer door opening time and lower door closing speed.

DOAS
Destination Oriented Allocation System

DOAS destination-oriented allocation system

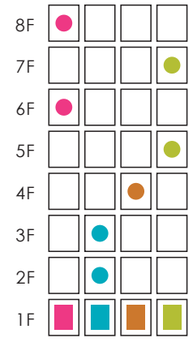
Based on the number of passengers and their destination floors registered at the hall, DOAS optimizes the destination floors and guides passengers to the most suitable car, thus greatly improving operation efficiency and passengers' ride experience.

Floors registered at the hall and cars allocated intelligently

Avoid crowding

Reduce the number of stops

Example:
Elevator **A** needs to stop at **2** floors,
Elevator **B** needs to stop at **2** floors,
Elevator **C** needs to stop at **1** floors,
Elevator **D** needs to stop at **2** floors.



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PRODUCT COMPONENTS

Hall Operating Panel

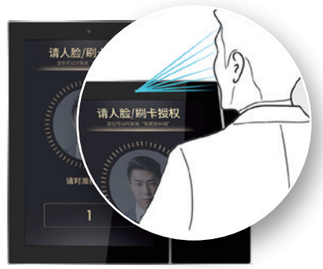
Car Operation Panel (hidden)

Hall Operating Panel

Permission identification and high integration

IC card:
Integrate IC card function to improve building safety, so that passengers can register their respective destination floors through IC cards; reserve space to support customer IC cards.

Face recognition:
The face recognition function is integrated to solve the problems of ugly face, inconvenience, need to dock with the third party and high cost of additional installation.

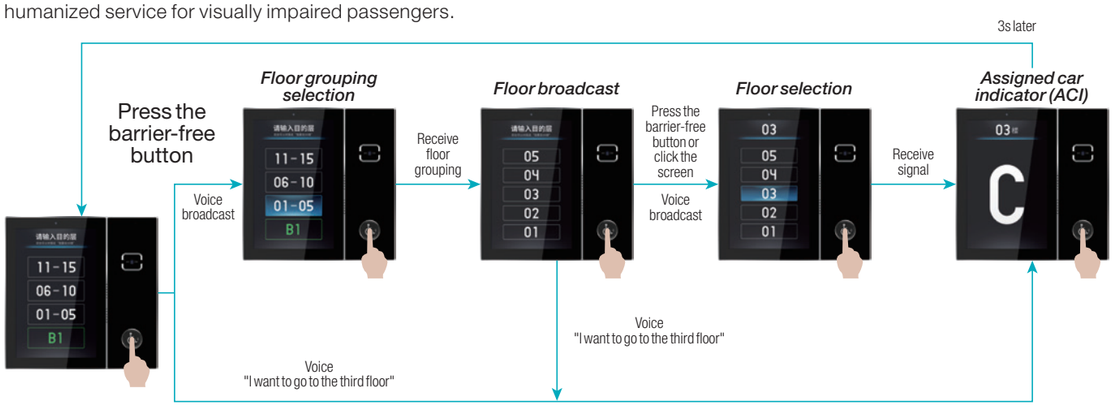


QR code:
The QR code function is integrated and used in conjunction with the EleCall APP to meet the needs of visitors and card-free needs.

Human care, voice for people with disabilities

Barrier-free button
Press the button to start the voice broadcast in turn, select the content to be broadcast through the button, assign the barrier-free elevator and set the HOLD time, so as to provide humanized service for visually impaired passengers.

Voice recognition
① Improve the operating efficiency of functions for persons with disabilities;
② Realize non-contact calls.



Voice recognition

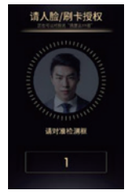
Rich in colors and diverse in styles

Shell color

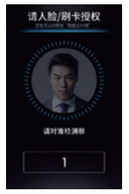
Obsidian black

Pearl white

Interface color



Elegant gold



Technology blue

Clean white

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Hall Operating Panel

ASIA DESIGN PRIZE
Won the Asian Design Award 2020

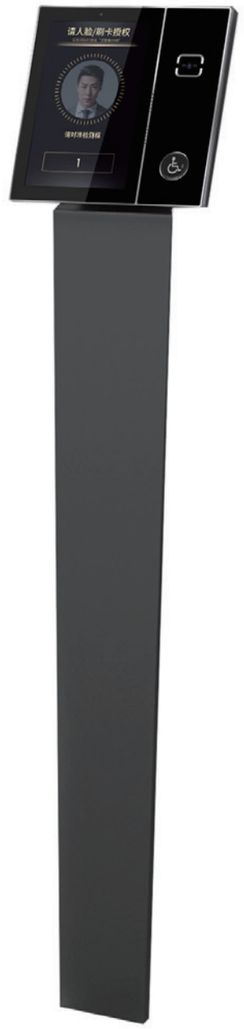
Brand-new tempered glass faceplate and aluminum alloy frame design provide gorgeous appearance; high-definition high-brightness full-view LCD displays vividly; wall-mounted, embedded and column installation methods are available for customers to choose from

ZHSE10-F710 (Embedded)

- Full fit glass faceplate
- Aluminum alloy frame
- 10.1 inch full view LCD
- Capacitive touchscreen
- Embedded installation

ZHSE10-F730 (Embedded)

- Full fit glass faceplate
- Aluminum alloy frame
- 10.1 inch full view LCD
- Capacitive touchscreen
- Embedded installation
- IC card system (optional)
- Face recognition (optional)
- QR code recognition (optional)
- Speech recognition (optional)
- Disabled button (optional)



ZHSE10-L730 (Column type)

- Full fit glass faceplate
- Aluminum alloy frame
- 10.1 inch full view LCD
- Capacitive touchscreen
- Column type
- IC card system (optional)
- Face recognition (optional)
- QR code recognition (optional)
- Speech recognition (optional)
- Disabled button (optional)

ZHSE10-G710 (Wall mounted type)

- Full fit glass faceplate
- Aluminum alloy frame
- 10.1 inch full view LCD
- Capacitive touchscreen
- Wall mounted type

ZHSE10-G730 (Wall mounted type)

- Full fit glass faceplate
- Aluminum alloy frame
- 10.1 inch full view LCD
- Capacitive touchscreen
- Wall mounted type
- IC card system (optional)
- Face recognition (optional)
- QR code recognition (optional)
- Speech recognition (optional)
- Disabled button (optional)

Car Operation Panel (hidden)

It is selected when the hall operation panel is configured on each floor, and a 21-inch side display is configured to display the registered floors.
The floor registration button of the mechanical hidden operation panel is hidden in the operation panel, and the touch screen hidden operation panel can set to open/hide the floor buttons at background and customize the display interface according to the customer's needs.

ZCB■-T71H (Main) ZCB■-T76H (Auxiliary)

10.4" TFT EMIDS,
Front return panel≥250mm.

ZCB■-T81H (Main) ZCB■-T86H (Auxiliary)

15" TFT EMIDS,
Front return panel≥350mm.

ZCBE05-T81H (Main) ZCBE05-T86H (Auxiliary)

15" TFT EMIDS Picture machine
(video not supported),
15.6" touch screen,
Front return panel≥350mm.

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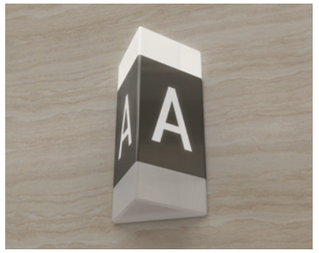
PRODUCT COMPONENTS

Car No & Direction Signal Lamp
Car No Indicator
Destination Floor Indicator
Car Allocation Indicator (integrated with security gate)

Car No & Direction Signal Lamp

Luxurious configuration adopts triangular three-dimensional design, arrival indicators at the upper and lower ends, and light-emitting numbers in the middle, so that passengers can clearly identify the elevator number from all angles.



ZHLV-E120
Car No always on and easily recognizable; wall-mounted

Car No Indicator

Basic configuration; simple appearance; white acrylic Car No and black mirror-finish acrylic panel to provide a sharp contrast and make it easily recognizable.

ZHIV-B021*1
Wall-mounted

Destination Floor Indicator

Display the floors to be served and the estimated time remaining before the car arrives at this floor in the form of progress bar, so as to reduce passengers' anxiety (patented technology of Shanghai Mitsubishi).

ZPIH-CC02 (with panel)
ZPIH-NC02 (without panel)
10.1 inch LCD

Car Allocation Indicator (integrated with security gate)

Car Allocation Indicator is integrated with security gate in the passage. When a passenger passes the security gate by swiping the card, the destination floor will be registered and the allocated Car No will be displayed.

ZEI-C600
8.4 inch LCD

ZEI-L700
10.1 inch LCD

*Notes: *1 Car No & Direction Signal Lamp and Car No Indicator are to show the Car No. Any one of them is enough.*
**2 If the customer installs security gates, confirm this with Shanghai Mitsubishi.*

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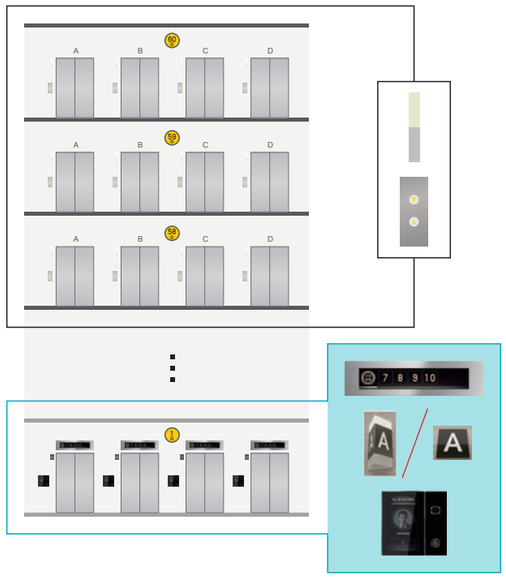
CONFIGURATION

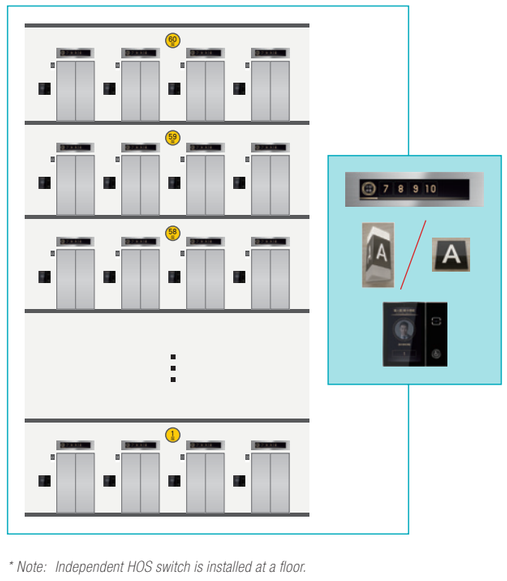
Basic Configuration

Traditional halls only have Hall Call Buttons and Hall Lanterns. DOAS of Shanghai Mitsubishi has Hall Operating Panel, Destination Floor Indicator, Car No & Direction Signal Lamp, etc. The Hall Operating Panel can be installed on a specified floor, and common call buttons on other floors and common operating panel with floor buttons installed in the car.
Or install Hall Operating Panel in all floors, with hidden operating panel without floor buttons in the car. The system receives the information of destination floors to provide the most efficient and convenient service to passengers.

HOP for a specified floor



HOP for all floors

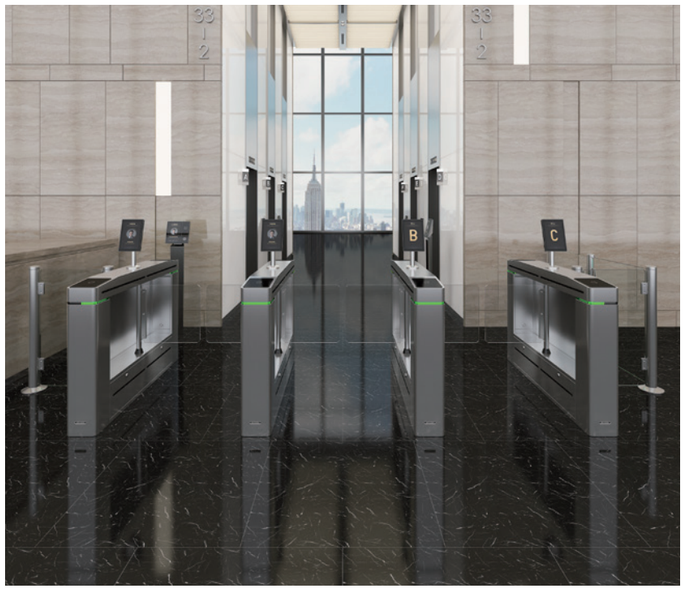


** Note: Independent HOS switch is installed at a floor.*

Integrated Permission System (optional)

The configured permission system is integrated inside the hall operation panel. Technical confirmation is required with SMEC when configuring the third-party permission system designated by the customer.

** Note:*
Considering the convenience of use, the integrity and aesthetics of appearance effect, It is recommended to configure SMEC permission system.



Integrated With Security Gate (optional)

When configuring the gate, technical confirmation is required with SMEC. Except for ACI, other components of the gate are provided by the customer, and technical confirmation is required. The ACI and the channel gate are assembled at the construction site.

The picture is drawn on a computer, which may differ from the physical objects.

OPERATION

Normal Operation

1.The passenger arrives at the hall

The passenger arrives at the hall to enter the destination floor on any operating panel.

2.The passenger enters the destination floor

The passenger enters the destination floor on the Hall Operating Panel.

3.Allocate the car

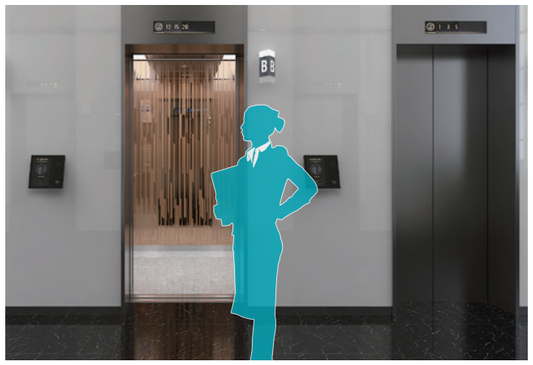
DOAS guides the passenger to take the most suitable car.

4.The passenger confirms the car position

The passenger confirms the car allocated according to the Car No & Direction Signal Lamp, Car No Indicator or Destination Floor Indicator.

5.Car No & Direction Signal Lamp gives a prompt

When the allocated car has arrived, Car No & Direction Signal Lamp flashes to remind the passenger.



6.The passenger enters the car

The 21-inch side display in the car shows the registered floor.

The picture is drawn on a computer, which may differ from the physical objects.

OPERATION

Operation and use of integrated permission system

1.The passenger arrives at the hall

When passengers arrive at the waiting hall, they can swipe their cards, get their faces recognized or scan the QR code on any hall operation panel. In case of multiple floor permissions, it is necessary to register optional floors at the hall operation panel.

2.The system allocates the car

When the passenger's identity is authenticated, the allocated Car No will be displayed on the screen of Hall Operating Panel.

Operation when integrated with security gate

1.The passenger arrives at the entrance to the security gate

They can swipe their cards, get their faces recognized or scan the QR code on any hall operation panel.

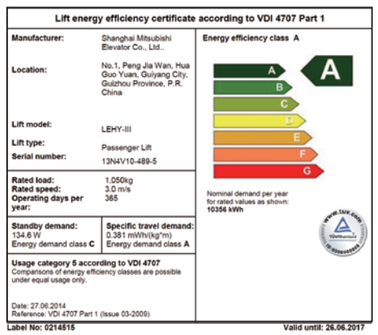
2.The system allocates the car

When the passenger's identity is authenticated, the allocated Car No will be immediately displayed on the Car Allocation Indicator (*1).

*Notes: *1 When the passenger has access to several floors, "Please register at the hall" will be displayed.*

SAFE AND SECURE

Technology Changes Life
Technology Leads The Future
Shanghai Mitsubishi Elevators,
Always By Your Sides



Lift energy efficiency certificate according to VDI 4707 Part 1

Manufacturer:	Shanghai Mitsubishi Elevator Co., Ltd..
Location:	No.1, Peng Jia Wan, Hua Guo Yuan, Guiyang City, Guizhou Province, P.R. China
Lift model:	LEHY-III
Lift type:	Passenger Lift
Serial number:	13N4V10-489-5
Rated load:	1,050kg
Rated speed:	3.0 m/s
Operating days per year:	365
Standby demand:	134.6 W
Energy demand class	C
Specific travel demand:	0.381 mWh/(kg*m)
Energy demand class	A
Usage category 5 according to VDI 4707	Comparisons of energy efficiency classes are possible under equal usage only.
Date: 27.06.2014	
Reference: VDI 4707 Part 1 (Issue 03-2009)	

Energy efficiency class A

A B C D E F G

Nominal demand per year for rated values as shown: 10356 kWh

Label No: 0214515 Valid until: 26.06.2017

CERTIFIED ISO 9001 UKAS MANAGEMENT SYSTEMS 001

CERTIFIED ISO 14001 · ISO 45001 UKAS MANAGEMENT SYSTEMS 001

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