

Access Control System

Quality  
inMotion 



# MELSAFETY-PA

Advanced, flexible cutting-edge  
security for your building



# Cutting-edge security that adds value to your office, residence or factory.

Mitsubishi Electric's MELSAFETY-PA is an access control system offering a simple way to start taking security measures. Access to elevators and rooms can be controlled using this single system. Make the right choice to maintain security and enhance the value of your building, office, residence or factory.



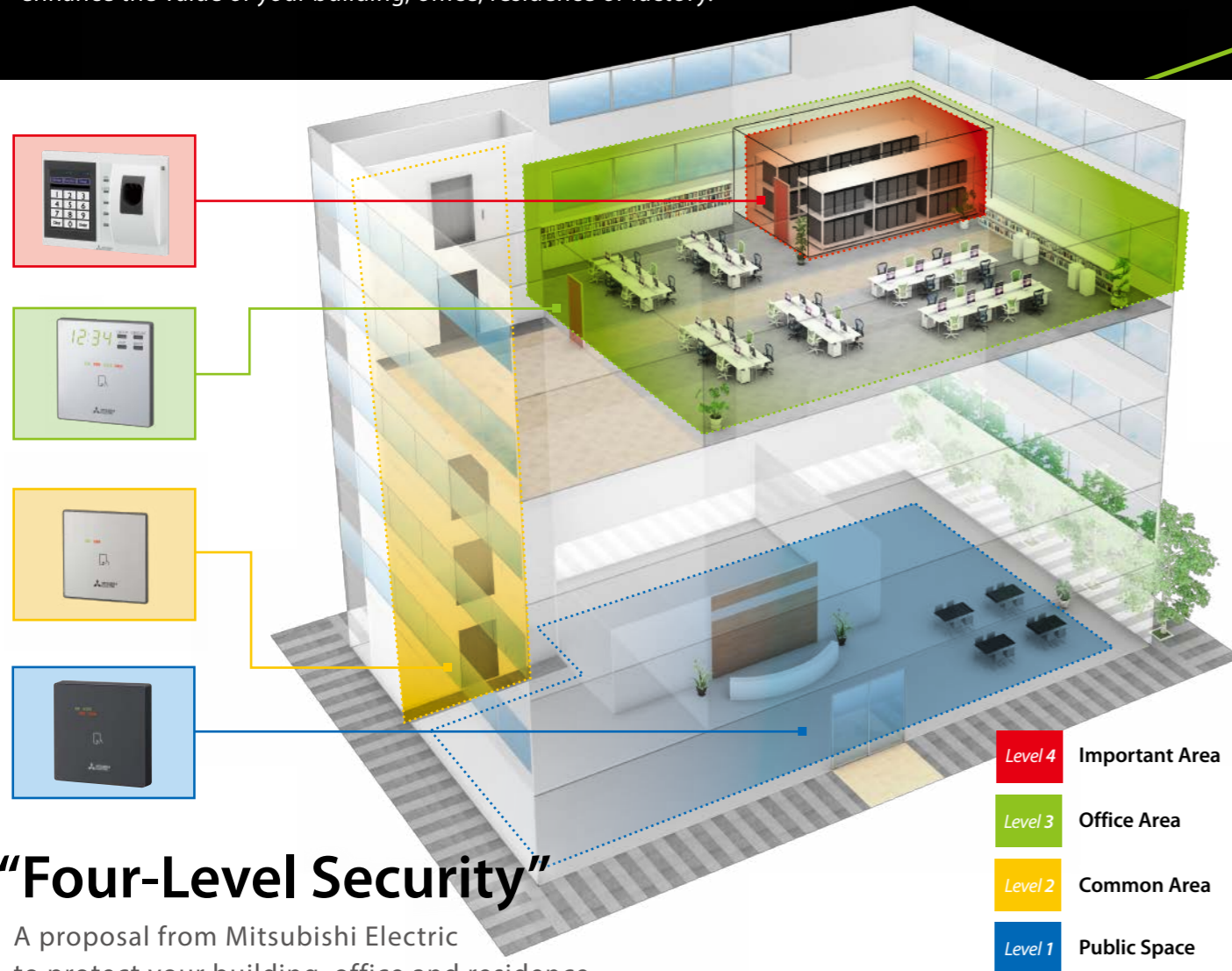
**Office buildings** with multiple floors having various tenants and many visitors.



**Residential buildings** with multiple floors having residents who require 24-hour access.



**Factories** with restricted areas where confidential information need to be controlled.



## "Four-Level Security"

A proposal from Mitsubishi Electric to protect your building, office and residence.

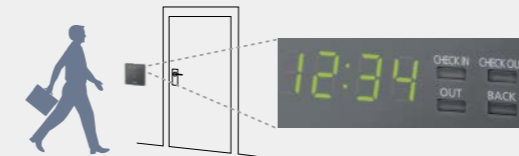
- Level 4** Important Area
- Level 3** Office Area
- Level 2** Common Area
- Level 1** Public Space

### Versatile Authentication Terminals

A wide lineup of authentication terminals including fingerprint authentication devices are available, and can be easily configured to appropriate scale and building use. Colors to harmonize with building design can be selected.

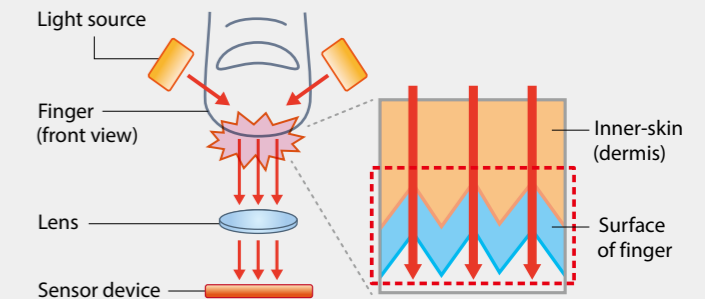
### Attendance Management

'Check-in' (arrive at the office), 'Check-out' (leave the office), 'Out' (out of the office temporarily), and 'Back' (return to the office) can be recorded in the log using the authentication terminals. In addition, the log data can be saved as a text file (CSV format). If the Log-saving Tool is installed in the computer, log data will be saved automatically. Utilizing this tool, MELSAFETY-PA can be linked with attendance management systems supplied by the customer.



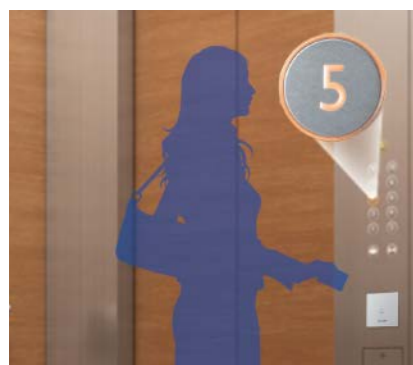
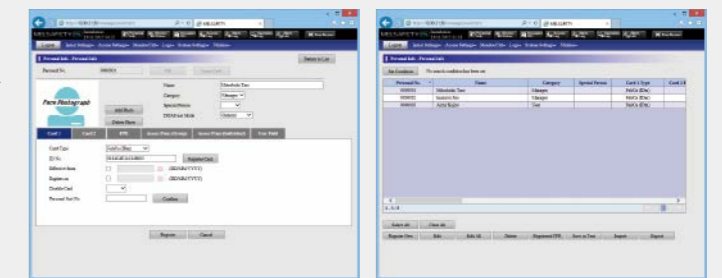
### Fingerprint Authentication Technology

The world's first contact-less fingerprint authentication device, which reads the inner-skin of fingerprints (dermis layer) using penetrated light. It is less affected by the outside environment or a finger's physical conditions, and provides high-accuracy authentication (usability rate is 99% or higher).



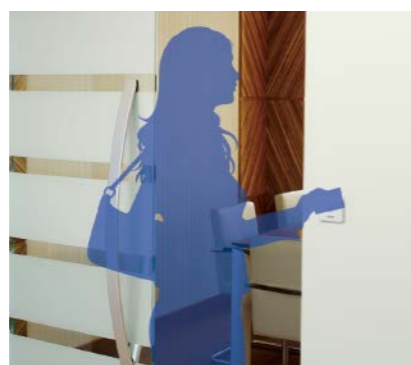
### User-friendly management screen is easy to setup and understand

Browser-based system management using a personal computer is possible. Operations, such as registering and deleting personal information, viewing access logs and system data setting, are simple and easy, thereby enhancing the efficiency of security management. Furthermore, personal information can be registered from an external system, and logs can be exported to an external system easily using a LAN interface.



**Level 2 Elevator security**

Elevator buttons can only be operated after passing a card over a card reader inside the elevator car.



**Level 3 Card authentication**

The same card can be used to restrict room entry. Attendance management can also be conducted.



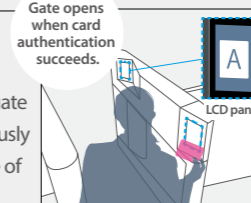
**Level 4 Biometric authentication**

Biometric authentication is effective for important facilities such as server rooms.

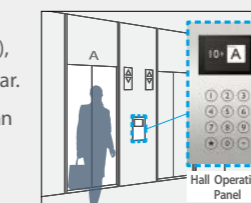
### Destination Oriented Allocation System (DOAS)<sup>\*1</sup> Integrates operation of Mitsubishi Electric elevators<sup>\*2</sup>

Dispersing passengers by destination prevents congestion in elevator cars and minimizes waiting and travel time.

To improve security, authentication is conducted at a security gate and an elevator car appropriate for the destination floor previously set for the person is automatically assigned. The number/name of the assigned car is indicated on the LCD panel.

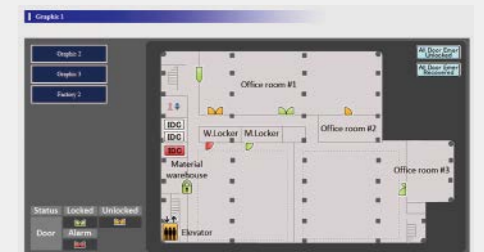


After entering the assigned elevator car (notified via display), there is no need to press the destination button inside the car. (If you forget the car number or miss the lighted display, you can re-enter the destination floor using hall operating panel.)



### Graphic Map<sup>\*1</sup>

The status of doors, elevators, etc. can be monitored by the graphic map. Remote control operation is possible by clicking on an icon.



- Examples of icons
- Door
  - IDC
  - IDC
  - Elevator

<sup>\*1</sup> DOAS and Graphic MAP are optional features. Please consult out local agent. <sup>\*2</sup> Function for linking Mitsubishi Electric elevators.



## Authentication Terminal Lineup

### Proximity Card Readers

| Type                  | Plain        |           | Keypad          |      |       |           | Clock            |           |
|-----------------------|--------------|-----------|-----------------|------|-------|-----------|------------------|-----------|
| Code                  | UCR-8303-P-E |           | UCR-8213-P-E    |      |       |           | UCR-8303-PA-CL-E |           |
| Color                 | White        | Dark Gray | Hairline Silver | Gold | White | Dark Gray | Hairline Silver  | Dark Gray |
| Appearances           |              |           |                 |      |       |           |                  |           |
| Size(mm)<br>(W×H×D)   | 76×72×20     |           | 118×120×11      |      |       |           | 118×120×11       |           |
| Attendance management | NO           |           | YES             |      |       |           | YES              |           |

### Fingerprint Authentication Devices

| Type                  | Waterproof   | Elevator        | Type                  | LCD          | Keypad        | Elevator (With Keypad) |
|-----------------------|--------------|-----------------|-----------------------|--------------|---------------|------------------------|
| Code                  | UCR-8223-P-E | UCR-8303-P-EL-E | Code                  | OPG-TP2-PG-E | OPT-TP2L-PG-E | OPT-TP2L-PG-E          |
| Color                 | Dark Gray    | Hairline Silver | Color                 | White        | White         | Silver                 |
| Appearances           |              |                 | Appearances           |              |               |                        |
| Size(mm)<br>(W×H×D)   | 118×120×24   | 100×100×3.5     | Size(mm)<br>(W×H×D)   | 165×120×30   |               | 118×120×27             |
| Attendance management | NO           | NO              | Attendance management | YES          |               | NO                     |

\*Depth from wall

## Main System Functions

### Door Access Control

Locks and unlocks doors via authentication terminal operation. Additionally, it is possible to unlock each door temporarily or keep each door unlocked for a while.

### Log Management

Data for up to 300,000 access logs and up to 100,000 alarm logs can be stored in the system and checked on the management web browser.

### Schedule Control

Lock/Unlock can be automatically controlled according to a schedule (e.g., 8:00~17:00 continuously unlocked; Outside 8:00~17:00 continuously locked).

### Elevator Access Control

Elevator service is enabled after successful authentication at the terminal installed inside the elevator car.

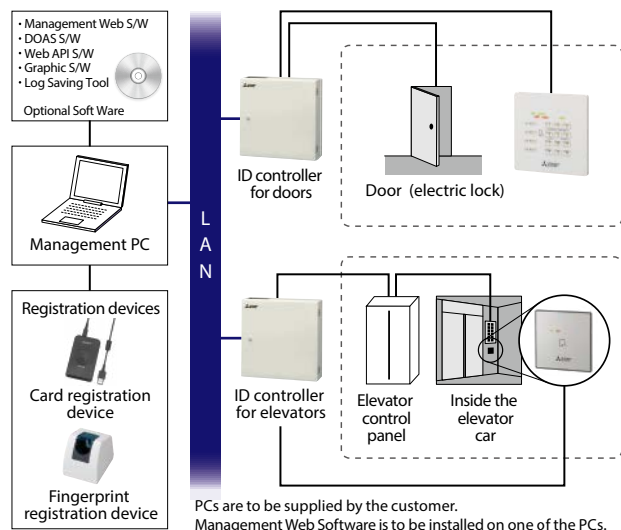
### Anti-passback Control

Authentication terminals are installed on the entry and exit sides of each room to check the sequence of entry/exit authentication of each person. This prevents tailgating.

### Occupant Management

Displays the details of people staying in each room, such as the number of people and the identity of each person, on the management web browser.

## System Configuration



## System Specifications

|        |                       |                     |          |                               |                                                                                                    |
|--------|-----------------------|---------------------|----------|-------------------------------|----------------------------------------------------------------------------------------------------|
| System | No. of cardholders    | Max. 10,000         | Computer | CPU                           | Intel Core i3-4030U (1.9GHz) or higher                                                             |
|        | No. of fingerprints   | Max. 3,000          |          | OS                            | Windows 10 pro English Ver.<br>Windows 8.1 pro English Ver.<br>Windows Server 2012 R2 English Ver. |
|        | No. of ID controllers | Max. 60             |          | Browser                       | Internet Explorer 11                                                                               |
|        | No. of doors          | Max. 240            |          | Registration device interface | USB×1<br>(Card registration device)<br>RS-232C×1<br>(Fingerprint registration device)              |
|        | Proximity card        | MIFARE (UID)/FeliCa |          |                               |                                                                                                    |
|        | No. of computers      | Max. 5              |          |                               |                                                                                                    |

## ID controller Specifications

| ID controller   | For 4 doors  | For elevator / 1 car   | For elevators                                     |
|-----------------|--------------|------------------------|---------------------------------------------------|
| Code            | IDC-PA4-E    | IDC-PA1EL10-E          | IDC-PAEL30-E                                      |
| Size(W×H×D)(mm) | 300×300×100  | 160×240×65             | 300×300×100                                       |
| Capacity        | Max. 4 doors | Max. 10 floors (1 car) | Max. 30 floors (1 car)<br>Max. 15 floors (2 cars) |

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\*FeliCa is a registered trademark of Sony Corporation in Japan and other countries.



Mitsubishi Elevator Inazawa Works has acquired ISO 9001 certification from the International Organization for Standardization based on a review of quality management. The company has also acquired environmental management system standard ISO 14001 certification.



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Visit our website at:  
<http://www.MitsubishiElectric.com/elevator/>

**⚠ Safety Tips:** Be sure to read the instruction manual fully before using this product.

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Specifications are subject to change without notice.

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