Elevator Call System with Smartphone

This smartphone application is designed for users to easily access an elevator equipped with the DOAS® Integrated with Security System. Using a smartphone equipped with the application, users can change the call setting for their elevator and check the status of the elevator assigned to them. Once inside the secure area, users can call an elevator remotely from anywhere. The increased convenience and mobility bring more value to the building.

Convenient & Intuitive

This smartphone application delivers quicker and easier elevator use through convenient features, including ID Card Call and Smartphone Call for use before and after the security point in the building. The intuitive display design provides users with maximum support. (Please see backside of leaflet for function details.)

Enhanced Comfort & User Friendly

The smartphone displays the elevator assigned and its current status and alerts the passenger as the elevator car approaches to assist smooth boarding. Additionally, this application allows users to set a call mode for Smartphone Call, for example, to request a wheelchair accessible elevator.

Notes:

- This function is an option for elevators equipped with the DOAS Integrated with Security System. For information on the DOAS Integrated with Security System, refer to the AI-2200C brochure.
- Occupant management is required for this function to confirm the users are in the building. (Users having left the building cannot call an elevator.)
**Procedure**

### ID Card Call function
When a user takes an elevator from the lobby floor, the user can change the destination floor from the default floor for the ID card by using their smartphone before reaching the security point.

**Example:** From 1F (lobby floor) to 8F (non-default destination floor)

1. **Building security point (card authentication) Before / After**
   - Register a destination floor manually.
   - Pass ID card over the card reader.
   - Confirm the assigned elevator.
   - Car arrival alarm

2. **Select the departure and destination floors and call an elevator.**

**Notes:**
- This system can be customized according to your needs. Please consult our local agents for details.
- Smartphone Call function
A person who has passed the security point can call an elevator using their smartphone to go to another floor.

**Example:** From 3F to 8F

**Occupant management is required to confirm the user is in the building. (Users having left the building cannot call an elevator.)**

### System Configuration

**System Configuration Diagram**

- **Building manager’s office**
- **Router**
- **On Site Server (Local Area Network)**
- **Smartphone (browser)**
- **HTTP communication**
  - Mitsubishi Electric
  - Security system supplier

**Notations:**
1. Please consult our local agents for details of devices supplied by owner.
2. "Refer to the AI-2000C brochure for Destination Oriented Allocation System (DOAS®) and DOAS® Integrated with Security System."

### Specifications

#### Smartphone requirements

- **Device**
  - Operating system: Android or iOS
  - Web browser: Safari, Google Chrome
  - Language: English (Please consult our local agents for other languages)

#### Applicable product scale

- **Elevator groups (per interface panel)**: 4 groups
- **Shops (per group)**: 64 shops
- **Access controllers**: 127 units
- **Card readers (per group)**: 255 units
- **Security gates (per floor in a group)**: 8 gates
- **Floors with security gates (per group)**: 2 floors

#### Interface panel requirements

- **Size**: 320 (W) x 300 (H) x 100 (D) [mm]

**Wiring from access controller to junction box in hoistway (Main signal transmission)**
- Cables between access controller and interface panel 1: Ethernet (100BASE-TX), Communication protocol: UDP/IP
- Cables between interface panel and junction box 2: Minimum two twisted-pair cables (shielded)
- Cables between junction box in hoistway and car assignment indicator 3: Minimum two twisted-pair cables (shielded)

**Wiring for other devices**
- Cables between interface panel and junction box 2: Minimum two twisted-pair cables (shielded)
- Cables between junction box in hoistway and car assignment indicator 3: Minimum two twisted-pair cables (shielded)
- A terminal block is required for each security gate.

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

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**Eco Changes**

Eco Changes is the Mitsubishi Electric Group’s environmental statement, and expresses the Group’s stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

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**Important**

Close collaboration with the security system supplier and the Web server supplier is required for system integration. For more information, please consult our local agents.

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**Revision history:**

- Specifications are subject to change without notice.