Chime Tone Intercom

**IE-1AD(U)**

### Features
- Chime tone intercom for 2 locations
- Door release button
- AC or DC power source

### Communication network

![Communication Network Diagram](image)

### Unit dimensions

<table>
<thead>
<tr>
<th>IF-DA</th>
<th>IE-1AD(U)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 98</td>
<td>Width: 83.5</td>
</tr>
<tr>
<td>Height: 28</td>
<td>Height: 80</td>
</tr>
</tbody>
</table>

### Wiring

![Wiring Diagram](image)

- Run audio wires in a separate jacketed cable from door release wires.
  - PT: AC transformer
  - WH: White(2)

### Specifications (IE-1AD(U))

<table>
<thead>
<tr>
<th>Power source</th>
<th>12–16V AC, 180mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>AC transformer (for IE &amp; EL-12S), PS-1225S/UL/BF/DM/-O</td>
</tr>
<tr>
<td>Communication</td>
<td>Door calls in w/4-tone chime, adjustable. Pick up handset to reply.</td>
</tr>
<tr>
<td>Door release</td>
<td>Contact rating: 24V AC/DC, 500mA</td>
</tr>
<tr>
<td>Wiring</td>
<td>2 parallel wires, non-polarized (+2 for EL-12S)</td>
</tr>
<tr>
<td>Wiring distance</td>
<td>IE-1AD(U) to door 150m(0.65mm) 360m(1.0mm)</td>
</tr>
</tbody>
</table>

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**IE-ML/A**

Door station

**IE-12S**

Electric door strike

→ P.134

**IE-10G**

Access control keypad, surface mount

→ P.132

**IE-10F**

Access control keypad, flush mount

→ P.132

**ZINC**

Audio Entry Security

**DB**

**DA**

**C**

**IE**
Chime Tone Intercom

**DOOR** 1  >  **ROOM** 3  **IE-1GD(U)**

- **Door station**
  - IE-JA
  - Door station
  - P.99

- **Master station**
  - IE-1GD(U)
  - Master station

- **Sub station**
  - IEH-1CD
  - Sub master station

**Power supply**
- 12~24V DC power supply or 12~16V AC transformer

**Features**
- 3-station chime tone intercom with one door
- Door release button
- All call type room calling
- Chime tone cutout at sub station
- AC or DC power source

**Communication network**
- All Call type calling with pretone & voice

**Unit dimensions**

**Wiring**
- Run audio wires in a separate jacketed cable from door release wires.
  - **PT**: AC transformer

**Specifications (IE-1GD(U))**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>12~16V AC, 200mA</td>
</tr>
<tr>
<td></td>
<td>12~24V DC, 200mA</td>
</tr>
<tr>
<td>Power supply</td>
<td>AC transformer 12~16V, 550mA (for both IE &amp; EL-12S), PS-1225S/UL/BF/DM/-O</td>
</tr>
<tr>
<td>Communication</td>
<td>Door calls in w/4-tone chime to all stations. Chime can be cut out at sub(s). Pick up any station to reply. Press CALL to call other inside stations with pretone &amp; voice.</td>
</tr>
<tr>
<td>Door release</td>
<td>Contact rating: 24V AC/DC, 500mA</td>
</tr>
<tr>
<td>Wiring</td>
<td>2 parallel wires to door, non-polarized.</td>
</tr>
<tr>
<td></td>
<td>6 wires in loop, between rooms.</td>
</tr>
<tr>
<td>Wiring distance</td>
<td>IE-1GD(U) to door 150m(0.65mm²), 360m(1.0mm²)</td>
</tr>
<tr>
<td></td>
<td>Between rooms 75m(0.65mm²), 190m(1.0mm²)</td>
</tr>
</tbody>
</table>
Chime Tone Intercom

 Door station
 Master station
 Sub station
 Lineup

 IE-JA
 Door station
 → P.99

 IF-DA
 Door station
 → P.99

 Power supply
 12-24V DC power supply
 12-16V AC transformer

 IE-2A2DU
 Master station, 2 door releases

 IE-2AD(U)
 Master station

 IEH-1CD
 Sub master station
 IE-1C2D
 2 door release

 Specifications (IE-2A2DU)

 Power source
 12-16V AC, 200mA
 12-24V DC, 200mA

 Power supply
 AC transformer 12-16V AC, 550mA (for both IE & EL-12S), PS-122S/UL/BF/DM/-O

 Communication
 Door calls in w/4- or 2-tone chime to all stations, 45 sec. Chime can be cut out at sub. Pick up any station handset to reply. Press CALL to call other stations with pretone & voice.

 Door release
 Contact rating: 24V AC/DC, 500mA

 Wiring
 2 parallel wires, non-polarized.
 6 wires in loop, rooms.

 Wiring distance
 IE-2A2DU to door 150m (0.65mm²) 360m (1.0mm²)
 Between rooms 75m (0.65mm²) 190m (1.0mm²)

 Features
 • 3-station chime tone intercom
 • 2 door stations w/door release
 • All call type room calling
 • Chime tone cutout at sub station
 • Door selective monitoring at master station
 • AC or DC power source

 Communication network

 All call type voice calling between rooms
 *1. Available in IE-2A2DU or IE-2AD(U) w/RY-3DL
Chime Tone Intercom

**Features**
- Expandable to 6-station system
- Selective or All Call between inside stations
- Door select and monitor button (on IE-8MD only)
- AC or DC power source
- Selective door release control
- Chime tone cutout on inside stations, selectable

**Communication network**
Internal communication by Selective Call or All Call. Chime tone can be muted at each station selectively.

**Unit dimensions**

**Specifications (IE-8MD)**
- **Power source**
  - 12-18V AC, 900mA
  - 12-18V DC, 500mA

- **Communication**
  - Door calls in w/4- or 2-tone chime and LED, 45 sec.
  - Pick up any handset to reply. Press 1 ~ 6 to call other station with pre-tone and voice or All Call. Single channel, common talk system.

- **Door release**
  - Contact rating: 24V AC/DC, 350mA

- **Wiring**
  - 2 parallel wires, to door.
  - 4 wires in loop, between rooms.

- **Wiring distance**
  - IE-8MD to door: 150m (0.65mm) 360m (1.0mm) 190m (1.0mm)
  - Rooms: 75m (0.65mm) 190m (1.0mm)
Audio Door Stations

IE/IF Series

Surface mount station

IF-DA
Door station

AX-DM
Audio door station
Mullion type

Flush mount station

IE-JA
Door station

Unit dimensions

Specifications

Wiring: 2 parallel wires to master, non-polarized
Wiring distance: 150m (0.65mm ø), 230m (0.8mm ø), 360m (1.0mm ø)

Features

• Weather resistant audio door stations
• Hands-free communication
• Call button rings chime or tone at inside station

Used for
IE-1AD(U), IE-1GD(U), IE-2A2DU, IE-2AD(U), IE-8MD, TD-nH/B w/DE-UR (n=3, 6, 12 & 24)
TC-M w/TB-AD1
TC-M w/TB-AD10
AX

Some applications

• At multiple doors w/TB-AD10

Used for
IE-1AD(U), IE-1GD(U), IE-2A2DU, IE-2AD(U), IE-8MD, TD-nH/B w/DE-UR (n=3, 6, 12 & 24)
TC-M w/TB-AD1
TC-M w/TB-AD10
AX

Wiring distance
150m (0.65mm ø), 230m (0.8mm ø), 360m (1.0mm ø)