Introduction

- Read this manual before installation and connection.
- Read the "Setting Manual" and "Operation Manual". The manuals can be downloaded from our homepage at "https://www.aiphone.net/support/software-document" free of charge.
- After completing installation and connection, program the system according to the "Setting Manual". The system cannot operate unless it is programmed.
- After performing installation, review with the customer how to operate the system. Leave documentation accompanying the Master Station with the customer.

Perform installation and connection only after gaining sufficient understanding of the system and this manual. The illustrations used in this manual may differ from the actual stations.

Example of System Configuration

Part Names and Accessories

Refer to "IX-SS-2G Operation Manual" for additional indicators not listed below.

Status Indicator

<table>
<thead>
<tr>
<th>Status (pattern)</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal flashing</td>
<td>Do not disassemble or modify the device. May cause fire or electrical shock.</td>
</tr>
<tr>
<td>Rapid flashing</td>
<td>Do not, under any circumstances, open up the device. Voltage within some internal components may cause electrical shock.</td>
</tr>
<tr>
<td>Long interval flashing</td>
<td>Device error, Startup error</td>
</tr>
<tr>
<td>Long irregular flashing</td>
<td>Communication failure</td>
</tr>
<tr>
<td>Short irregular flashing</td>
<td>Firmware version updating</td>
</tr>
<tr>
<td>Blue light</td>
<td>Standby</td>
</tr>
</tbody>
</table>

Precautions

Warning

Negligence could result in death or serious injury.

- Do not disassemble or modify the device. May cause fire or electrical shock.
- Do not, under any circumstances, open up the device. Voltage within some internal components may cause electrical shock.
- The device is not designed to explosion-proof specifications. Do not install or use in an oxygen room or other such locations filled with volatile gases. May cause fire or explosion.

Caution

Negligence could result in injury to people or damage to property.

- Do not put your ear close to the speaker when using the device. May cause harm to the ear if a sudden loud noise is emitted.
- Do not connect or install the device with the power on. May cause electrical shock or malfunction.
- Do not check the wiring before first checking to make sure the wiring is correct and there are no improperly terminated wires. May cause fire or electrical shock.

General Precautions

- Install low-voltage lines at least 30cm (11") away from high-voltage lines (AC100V, 200V), especially inverter air conditioner wiring. Failure to do so may result in interference or malfunction.

Notice

- The illustrations and images used in this manual may differ from the actual items.
- If the device is used in areas where there are business-use wireless devices such as a transceiver or mobile phones, it may cause malfunction.
- If the device is installed close to a light dimmer, an inverter electrical appliance the remote control unit of a hot-water system or floor-heating system, it may cause interference and cause a malfunction.
- If the device is installed in an area with an extremely strong electrical field, such as in the vicinity of a broadcasting station, it may cause interference and create a malfunction.

Precautions for mounting

- Installing the device in the following locations could cause malfunction:
  - Locations that get hot
  - Close to a heater, boiler, etc.
  - Locations where there is risk of exposure to liquid, dust, oil, or chemicals
  - Locations with high humidity
  - Locations with high temperature
  - Locations near heating devices or a cooking space, etc.
  - Sulphurous environments such as a hot spring area
  - Locations close to the sea or directly exposed to sea breeze
  - Locations close to a heater, boiler, etc.

- If existing wiring is used, the device may not operate properly. In that case, it will be necessary to replace the wiring.
- Do not, under any circumstances, use an impact driver to fasten screws. Doing so may cause damage to the components.

- The illustrations and images used in this manual may differ from the actual items.
- If the device is installed in a location where there is a strong electrical field, it may cause interference and create a malfunction.
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How to Install

Installation of Audio Only Door Station

1. Open the terminal cover and connect the Cat-5e/6 cable and the low-voltage lines to the unit.
2. Attach the door station.

How to Connect

Connection Precautions

- For connection between devices, use a straight-through cable.
- Do not strip away the cable insulation any more than is necessary.
- Perform termination in accordance with TIA/EIA-568A or 568B.
- Before connecting the cable, be sure to verify conduction using a LAN checker or similar tool.
- Be careful not to pull on the cable or subject it to excessive stress.

Precautions regarding low-voltage line

- Use PE (polyethylene)-insulated PVC jacketed cable. Parallel or jacketed conductors, mid-capacitance, non-shielded cable is recommended.
- Never use twisted-pair cable or coaxial cable.
- 2Pr quad V twisted pair cables cannot be used.

Connection and disconnection of low-voltage lines

- Insert the line into the quick connection terminal.
- If the line does not go in easily, push the low-voltage line into the terminal while pressing down the detachment button.
- When removing a low-voltage line, pull on the line while pressing down the detachment button.

Wiring Connection

- Insulate and secure unused low-voltage lines.

Contact Input Specifications

- Programmable dry contact (N/O or N/C)
- Level detection method
- Detection time: 100 msec or more
- Contact resistance: Make: 700 Ω or less, Break: 3 kΩ or more
- Terminal short-circuit current: 20 mA or less
- Voltage between terminals: 5.5 VDC or less (between open terminals)

Relay Output Specifications

- Form C dry contact (N/O or N/C)
- Output method
- Contact rating: 24 VAC, 1 A (resistive load), 24 VDC, 1 A (resistive load)
- Minimum overload (AC/DC): 100 mA, 0.1 mA

Special Screws (included) ×4

Special Screwdriver (included)

Latching lock

2-gang box (Depth: 52.5mm (2-1/16") or more)

Recommended diameter of wire #18

Detachment button

Recommended diameter of wire #28

Detachment button

Recommended diameter of wire #24

LED indicator

IEEE802.3af

PoE switch

100m (330')

PE0.8(20AWG)-2C

PE0.8(20AWG)-2C

Audio Only Door Station

PE-S20AWG-2C

Pull switch

Contact input

Relay output

Contact Input Specifications

Output method

Contact rating

Minimum overload (AC/DC): 100 mA, 0.1 mA