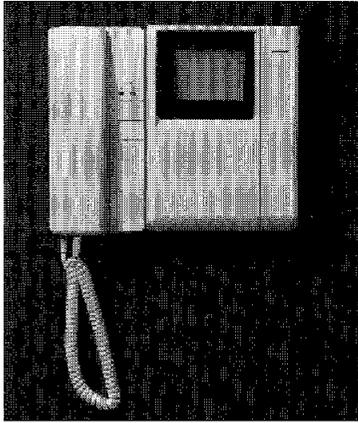
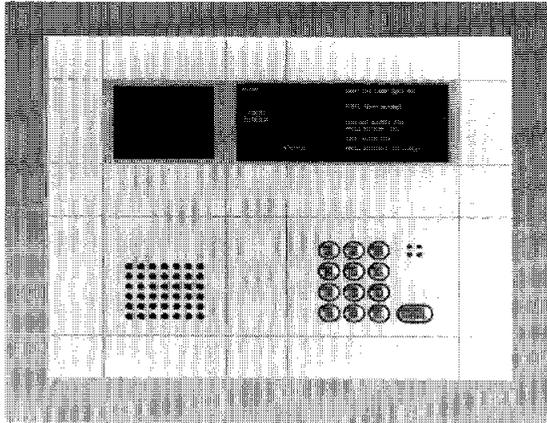


Architectural Specifications

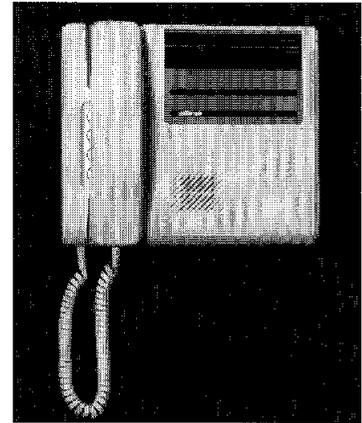
DELUXE AUDIO/VIDEO ENTRY SECURITY/ COMMUNICATION SYSTEM (*Multi-Unit Residential*) VGX-GV



VG-2G-6-E/MY-VU TENANT STATION



VGX-DBM ENTRANCE STATION



VGX-MA-N CONCIERGE STATION

SYSTEM DESCRIPTION

Configurations

The Aiphone VGX-GV System shall be microprocessor-based, with entrance (lobby) stations, concierge (security) stations, central control units (CCU), tenant stations and tenant station adaptors in a system. The VGX-GV shall be designed to provide audio/video entry security/communication for multi-unit and condominium buildings. The system shall provide the following networks:

- (1) Audio/video communication & door release control between each entrance station and each tenant station.
- (2) Audio/video communication & door release control between each entrance station and each concierge station.
- (3) Two-way audio communication between each tenant station and each concierge station.
- (4) Two-way audio communication between tenant stations within the same unit.

Capacity

The system shall have a capacity of up to 192 stations. (384 with VGX-CIF adaptor.)



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Call Annunciation

The calling tone from station to station shall be the following:

- Entrance station to tenant station: Four-stroke electronic chime tone.
- Entrance station to concierge station: Two-stroke electronic chime tone.
- Tenant station to concierge station: Electronic tremolo tone.
- Concierge station to tenant station: Three-stroke electronic chime tone.
- Between tenant stations: Electronic tone.

Door Release

The system shall provide dry closure contact for releasing the entrance door from the tenant or concierge station, The time duration for door release control shall be pre-programmed from one to 99 seconds at the central control unit (CCU).

Pre-set Numbers

Each tenant room number shall be pre-programmed prior to shipment from Aiphone. The number shall be pre-programmed with three or four digit numbers. The number for the concierge station shall also be pre-programmed 1000 unless another number is requested.

Other Capabilities

The system shall be capable of integrating any type of access control devices such as a card reader. The system shall also be capable of adding an additional door chime or Aiphone door station for each tenant station.

SYSTEM COMPONENTS

The system shall consist of entrance stations, concierge stations, tenant stations, tenant station adaptors, central control units (CCU) and power supplies.

Entrance Station

1. The entrance station, Aiphone Model VGX-DB(L)M-E, shall provide audio and video communication to the tenant station(s) or concierge station(s).
2. The entrance station shall be weather resistant, capable of installation either inside or outside the building. The entrance station shall also be semi-flush mounted in a backbox supplied by Aiphone.
3. Maximum number of entrance station(s) shall be four within a system.
4. Entrance station(s) shall have a 10 button key pad for calling and LED guided operating instructions. Each shall also have an LED read-out of called number.
5. Entrance station(s) shall have three different color choices: silver, brass or anodized bronze.

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Tenant Station

1. The tenant station, Aiphone VG-2A-6-E & MY-VU, shall provide audio and video communication to the entrance station(s). Tenant station shall also provide audio communication to the concierge station(s), or other tenant stations within the same unit.
2. The video monitor unit, Aiphone Model MY-VU, shall have a four (4) inch flat CRT monitor. It also shall be equipped with brightness and contrast controls.
3. Video monitor unit shall turn on automatically when called. The video image shall automatically appear on the screen when a call is received from an entrance station. It shall also shut off automatically, unless the tenant replies to the call within approximately 45 seconds.
4. The tenant handset unit, Aiphone Model VG-2A-6-E, shall have an electronic chime tone circuit which generates two different electronic chime tones when receiving a call from the entrance station or individual door station. The unit shall also be equipped with chime tone volume control.
5. Color of the tenant station shall be Aiphone standard white ABS plastic.

Tenant Station Adaptor

1. The tenant station adaptor, Aiphone Model VGX-VU, shall provide video signal exchange between the tenant stations and central control units (CCU).

Concierge Station

- The concierge station, Aiphone Model VGX-MA-N-E, shall provide audio and video communication to the entrance station(s). The station shall also provide audio communication to the tenant station(s).
2. The concierge station shall be located at the concierge or security guard desk. It shall also be capable of wall mounting. When mounting it on the wall, a pre-installed two-gang box shall be required.
 3. The concierge station shall provide a digital LED read-out indicating the tenant number when receiving a call. The read out shall stay on until the communication is completed.
 4. The concierge station shall be equipped with a door release control button for releasing the entrance door where communication has been established.
 5. The concierge station shall be capable of audibly monitoring any entrance station through the handset.
 6. Color of the concierge station shall be Aiphone standard white ABS plastic.

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Central Control Units (CCU)

1. The central control units, Aiphone Model VGX-3K and VGX-MC, shall be audio and video signal processor(s) to electronically connect calls and operate controls between entrance stations, tenant stations, and concierge stations. The VGX-3K shall transmit multiple audio, power and control signals, and the VGX-MC shall transmit multiple video signals.
2. The central control units shall be located near the concierge desk or in the building control room. The unit(s) shall be designed for use within a temperature range of +32°F (0%) - +104°F (+40°C). The units shall be wall mounted.
3. The central control units shall require 110 ~ 240V AC power to operate.

Power Supplies

1. The power supplies, Aiphone Model PS-24E, shall transmit the power to operate the tenant stations. One PS-24E shall supply approximately twenty (20) tenant stations. This requirement shall vary depending on building and/or wiring configuration.
2. The power supply shall be located near the tenant station adaptor.

Wiring

The system shall require the following wiring:

1. Four twisted pair 18 AWG shielded cable shall be required between entrance station (VGX-DBM) and central control units (VGX-3K and VGX-MC).
2. Three twisted pair 18 AWG shielded cable shall be required between the central control units (VGX-3K and VGX-MC) and tenant station adaptors (VGX-VU).
3. Three twisted pair 18 AWG shielded cable shall be required between each tenant station adaptor (VGX-VU) and each tenant station (VG-2G-6-E and MY-VU).
4. Two parallel conductor 18 AWG cable shall be required between the power supply (PS-24E) and each tenant station (VG-2G-6-E and MY-VU).

The VGX-GV is a basic configuration. Other configurations are available.

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