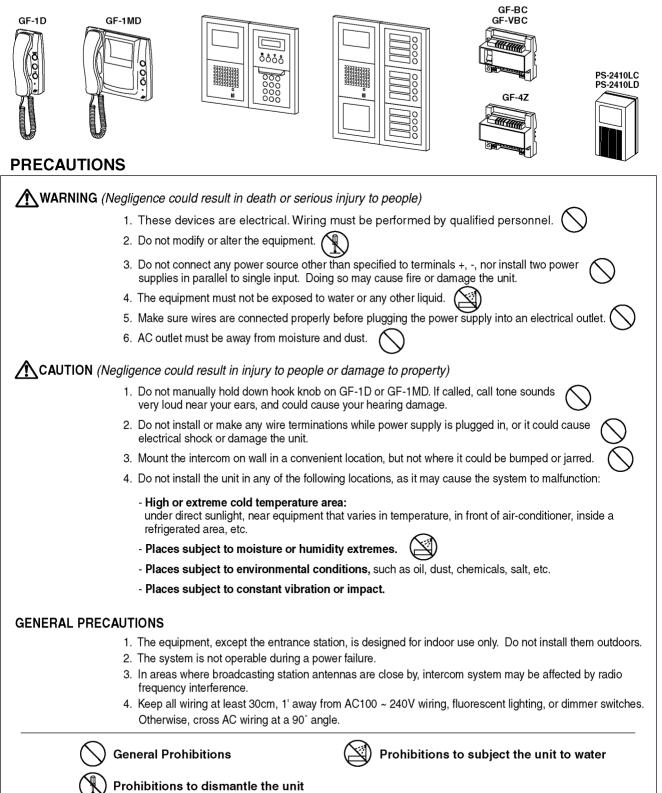
4 COMMON WIRE VIDEO & DIGITAL NAME SCROLLING APARTMENT INTERCOM SYSTEM

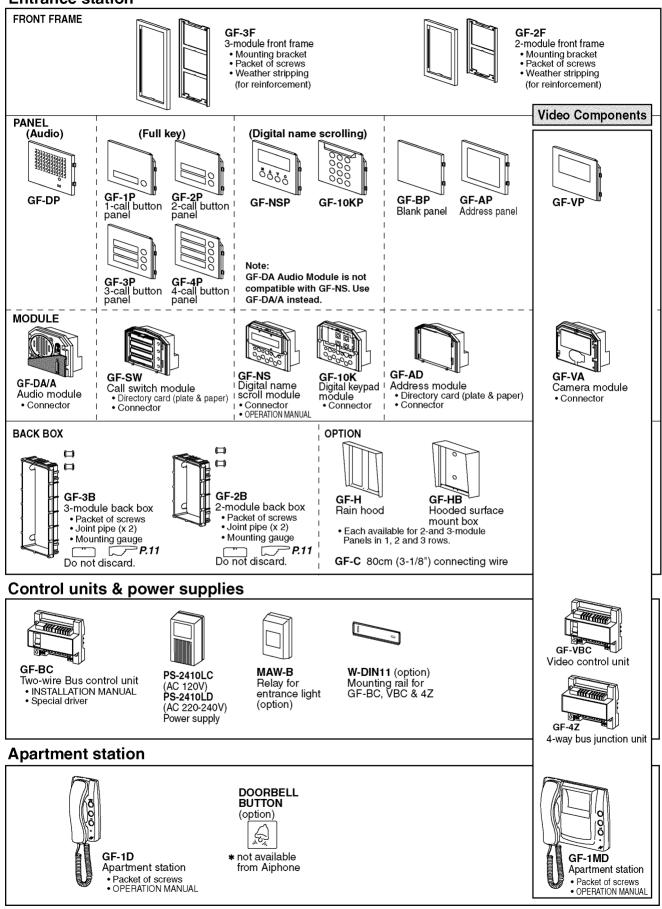
GF SYSTEM

INSTALLATION MANUAL

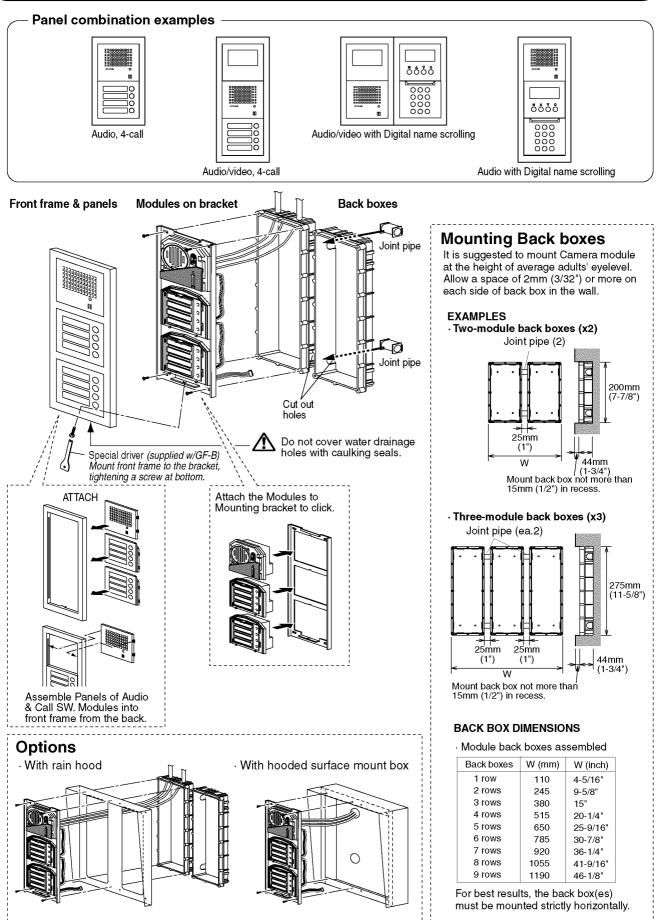


SYSTEM COMPONENTS

Entrance station



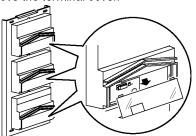
MOUNTING ENTRANCE STATION



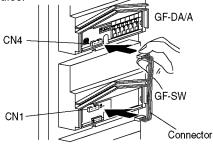
MOUNTING ENTRANCE STATION

Interconnecting Modules with Plug-in Connectors

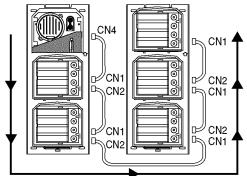
1 Remove the terminal cover.



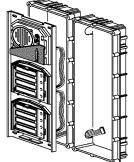
2 Plug the wires into connectors between the Modules.



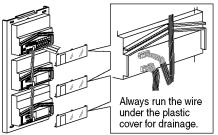
3 Plug the wires into connectors between the Modules.

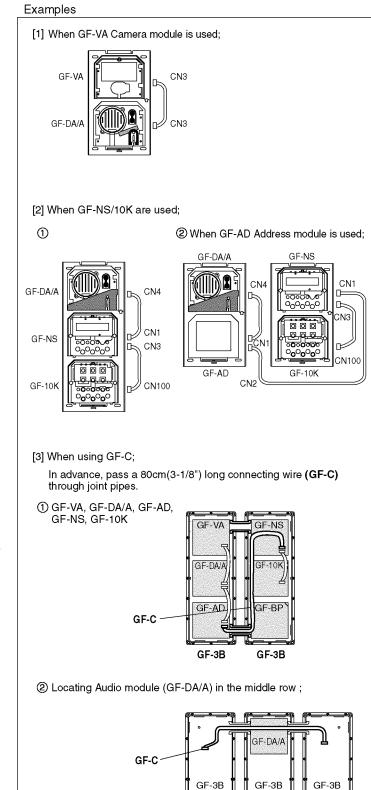


4 Pass the connecting wire through joint pipe (preopened), and plug to CN1 of Call SW. of next row.



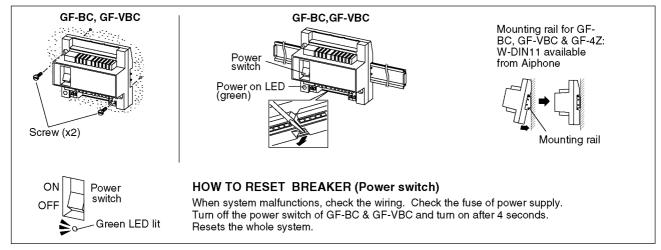
5 Attach the terminal cover back to place.



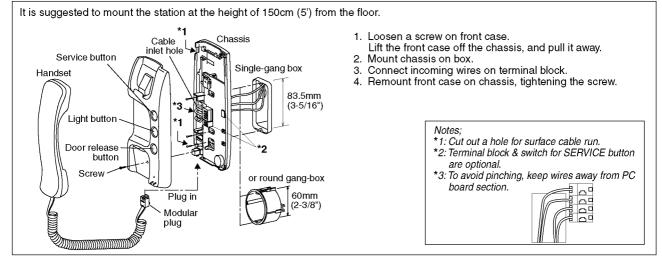


MOUNTING

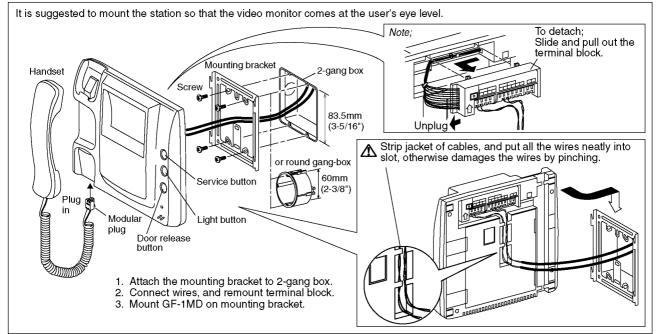
· GF-BC, GF-VBC



· GF-1D



· GF-1MD



MOUNTING & WIRING

Audio communication system

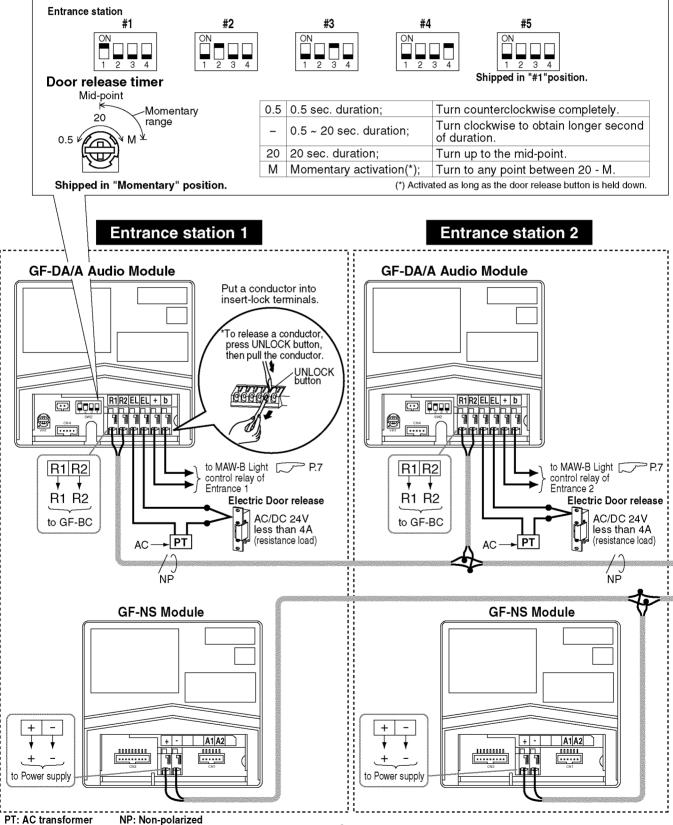


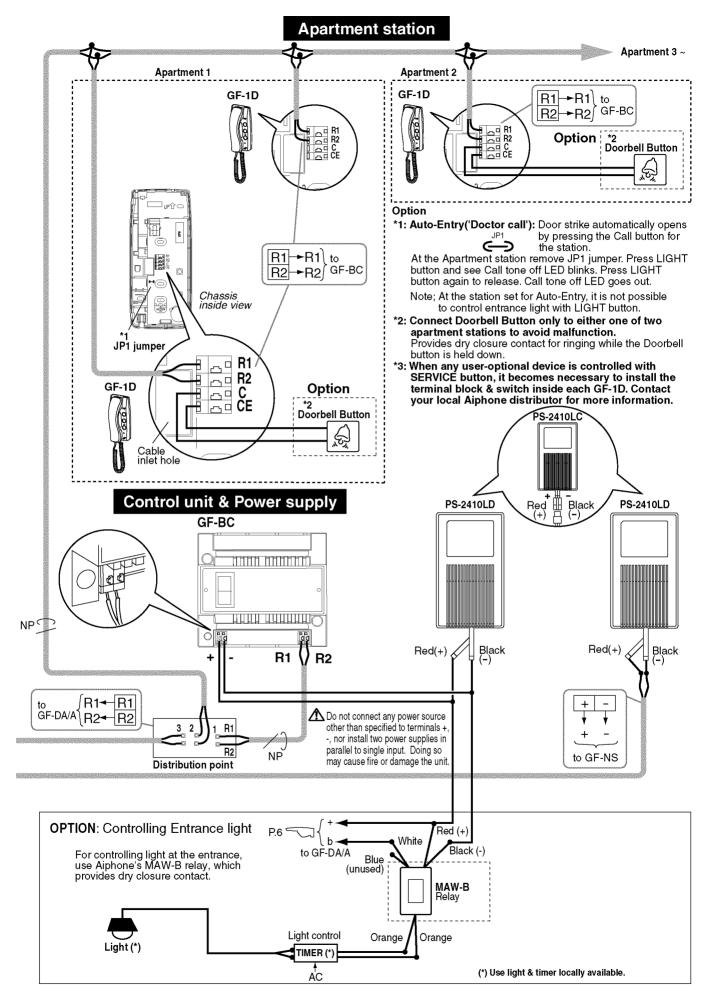
Entrance # SET switches

Interconnection among the Modules of Entrance station is shown in Page 4, and omitted from the wiring diagrams in Page 6 ~ 9.

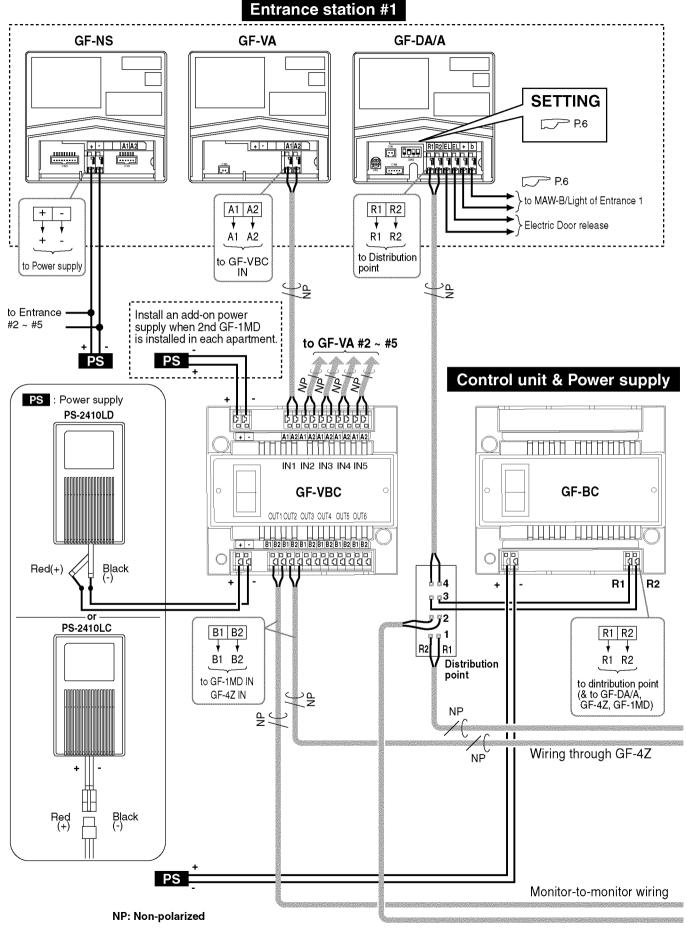
To set for Entrance stations #1 ~ 5, set DIP switches on Audio Module (GF-DA/A) as shown below.

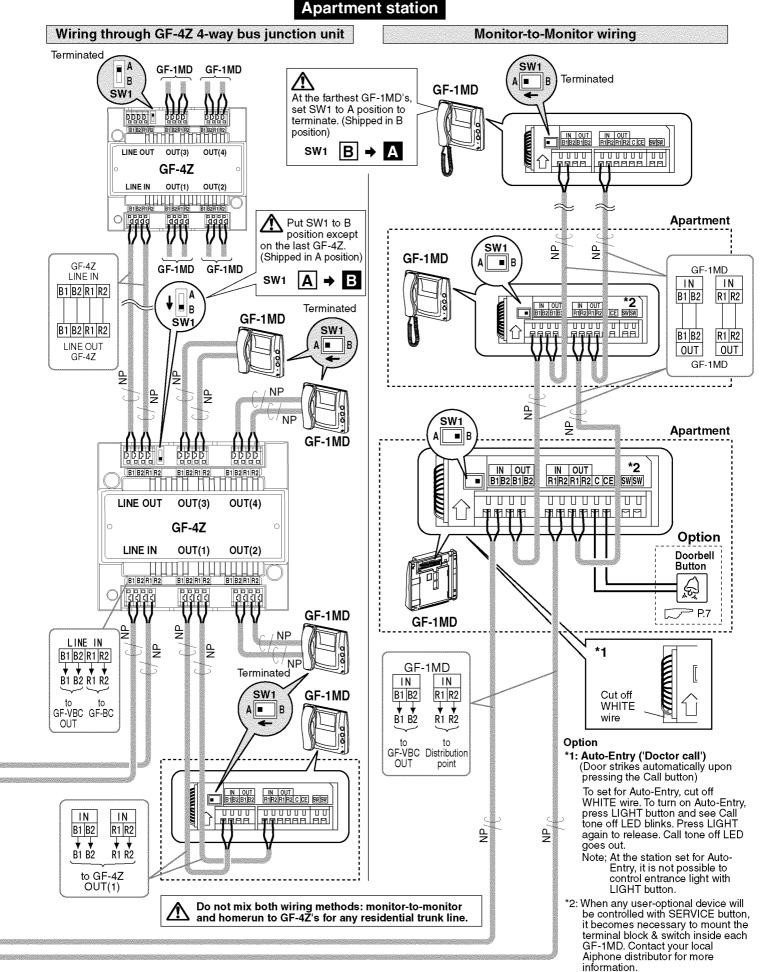
All the Entrance stations will malfunction if positioned in any other manner.





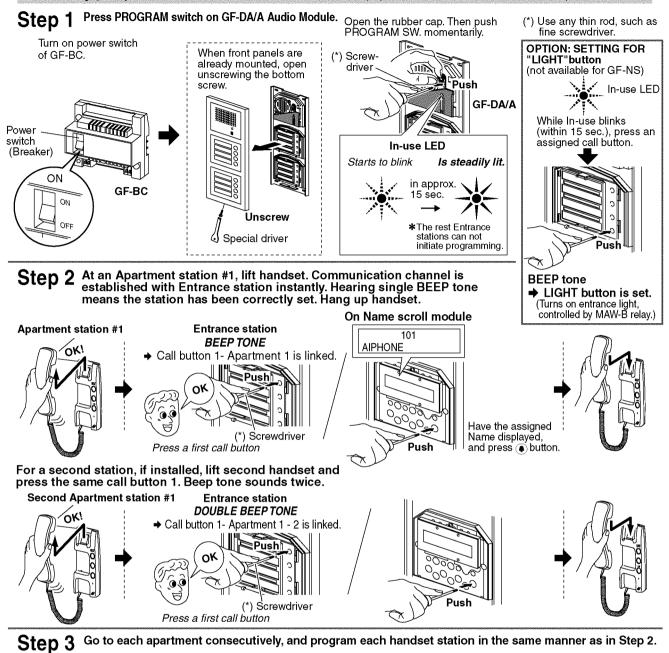
Audio/video communication system



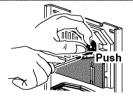


SETTING UP SYSTEM

Prior to setting up GF system, make sure all the stations are installed and wired in proper manner. Leave the front frame & module panels unattached.

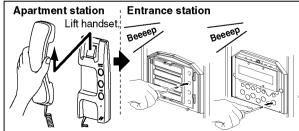


Step 4 When completed, press PROGRAM switch on GF-DA/A Audio module again to finish the programming.



Do not forget to replace the rubber cap.

To correct wrong setting



Keep pressing a call button to clear until a continuous tone is heard. (Consecutively, operate same way for next call button, if Following Step 2, reset on apartment station(s) that have been cleared.

For 2-station apartment

 Clearing a call button cancels programming for two stations, correctly set or not. Individually reprogram both stations.

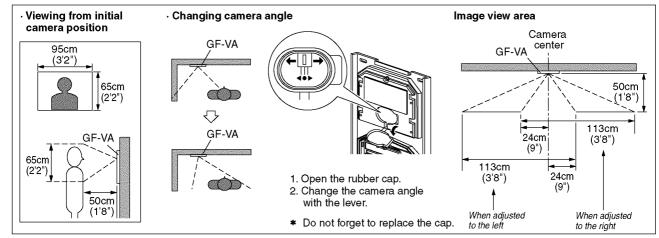
Instructions

advance.

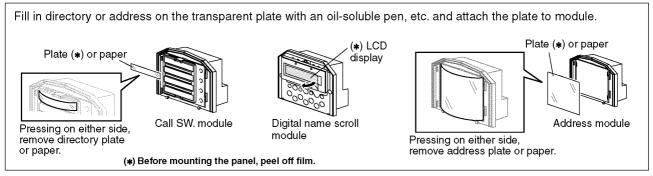
- Before programming, connect Camera module, if included, with the other modules.
- (2) When Digital name scrolling module is included, be sure to program Residence info (Names & Room #) in

ADJUSTING

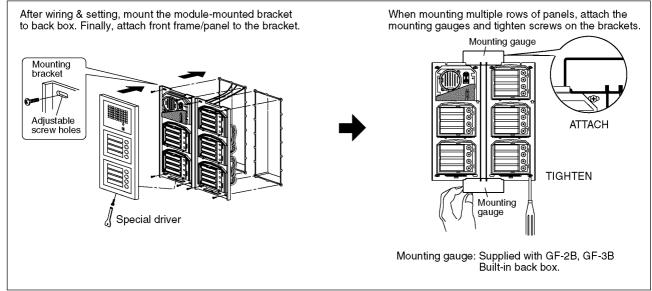
Adjust camera angle



Fill in name & address; Peel off film



Adjust, using the mounting gauge



ECHNICAL PRECAUTIONS

| Temperature | GF Entrance station: -10°C ~ +60°C (+14°F ~ +140°F). GF-BC: 0°C ~ +40°C (+32°F ~ +104°F). GF-1D: 0°C ~ +40°C (+32°F ~ +104°F). | |
|--------------------------|---|--|
| Mounting location | Do not install the Entrance station in places where a caller is strongly backlit (bright background), or where sunlight or strong light comes into the camera lens directly. GF Entrance station is weather-resistant, but for best results, it should be protected from direct weather conditions. Install a rain hood (GF-H) to protect it from direct rainfall. | |
| Rain hood (option) | | |
| Set up after replacement | In case an apartment station is replaced after all the wiring is done, turn the power switch off and back on again on GF-BC. Then reprogram that apartment station only. | |
| Operations | At end of communication, hang up the handset on cradle. If a handset is off the hook, call tone will still ring at two stations. Momentarily hang up handset, and resume communication. • While an apartment station is being called from an entrance station, a call from the doorbell will not be heard. | |
| Cleaning | Clean GF equipment with a soft cloth dampened with neutral household cleanser. Never use any abrasive cleaner or cloth. Do not spray high-pressure water on Entrance station. | |
| SPECIFICATIONS | | |

· Power source:

 Current consumption: · Call-in tone:

GF-VBC: 1.1A. GF-BC: 0.9A. GF-NS: 0.07A Two types of call tones, one from entrance station, the other from doorbell button, distinguishable. Single channel, non-open.

· Talk path: · Communication:

Wiring:
 Type of Cable:

Simultaneous with handset (no calling or communication between apartment stations). 2 x 2-wire cables common.

2-conductor cable solid copper & non-braided, polyethylene insulation, 0.65mm dia. ~ 1.0mm dia. (22AWG ~ 18AWG). **Dimensions & weight**

Models

2-module,

3-module.

2-row panel

1-row panel

DC 24V (each GF-BC, GF-VBC & GF-NS), supplied by a power supply PS-2410LC or PS-2410LD.

· Wiring distance:

Diameter of wires 0.65mm 0.8mm 1.0mm 22AWG 20AWG 18AWG · GF-BC to Distribution point 5m 16 · Distrib. point to Entrance station 300m 980 GF-1MD · Distrib. point to GF-1D (farthest) 300m -980' GF-1D · GF-VBC to farthest GF-1MD 1 per resid. line GF-BC 330' 100m 150m -500 -GF-VBC · GF-VBC to farthest GF-1MD 2 per resid. line 50m 100m 150m 165 330' 330' · GF-VBC to Entrance station (GF-VA, Video) GF-4Z 50m 100m 165 330 Entrance · GF-BC/VBC to ea. Power supply 5m 5m 16' 16' station · GF-NS to Power supply 300m 300m 980' 980' --· MAW-B to Entrance station 300m . 980' -· Total wiring distance (R1, R2) -2.5km --1.5miles -

| Capacity: | |
|---|---|
| Total station: | 250 residential stations |
| Total monitor station: | 150 GF-1MD's |
| Entrance station: | 5 (audio or video) |
| Per apartment: | 2 stations (GF-1MD and/or GF-1D) |
| Max. station per trunk line: @ | 50 GF-1D's. 25 GF-1MD's. (i.e. via 6 GF-4Z's or monitor-to-monitor wiring). |
| · Video trunk line: | 6 (Video) from GF-VBC. |
| Audio trunk line: | Any number (Audio) from distribution point. |
| Max. Entrance station per trunk line: | Max. 3 Entrance stations (Audio) |
| · Call button: | 100-call, i.e. 25 pcs GF-SW. |

Door release terminals:

EL. EL rated less than 4A (resistance load). AC/DC 24V, for dry closure contact for door release.

Weight

(approx.)

1,200g

370g

450g

260g

190g

H x W x D (mm)

8-1/4" x 8-1/2" x 2-3/4" 7-7/8" x 3-1/2" x 2-1/2"

4-1/4" x 4-13/16" x 2-3/8'

4-1/4" x 4-13/16" x 2-3/8"

4-1/4" x 4-13/16" x 2-3/8"

8-7/8" x 10-5/8" x 9/16"

12-1/8" x 4-7/8" x 9/16"

H x W x D (mm)

210 x 215 x 69

108.5 x 122.5 x 61

108.5 x 122.5 x 61

108.5 x 122.5 x 61

225 x 270 x 16

320 x 135 x 16

(box: 44 in recess)

(box: 44 in recess)

200 x 89 x 63

Weight

(approx.)

2.65 lbs.

0.82 lbs.

0.57 lbs.

0.42 lbs.

1 lb.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by the acquirement and the user in an encurrence of the acquirement by a construction of the user is a second to the acquirement by a construction. determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

Reorient or relocate the receiving antenna. Connect the equipment into an outlet on a circuit different from that to which the eceiver is connected. Increase the separation between the equipment and receiver. Consult the dealer or an experienced receiver is connected. radio/TV technician for help.

| X WARRAN | ITY * |
|---|---|
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