



INSTRUCTIONS





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- 2 Hook knob
- 3 Door release button

- Speaker/mic unit
- 3 Call button with directory
- (4) Back box

SYSTEM FEATURES

- * Loop-wiring system by 4 common plus 1 individual wires per station (3 + 1, if door release is not required).
- * Maximum two VC-K stations per apartment.
- * Seven entrance station models with 8- or 16-call add-on panels to meet small to larger apartments.
- * Directory card back illumination.
- * One-paneled entrance stations available, either vertical or horizontal type.
- * VC-BBX surface-mount back box for VC-nM & VCH panels.





VC-58MT



NOTES; The above drawings illustrate a full compliment of call buttons mounted on each panel.

BEFORE YOU INSTALL AND OPERATE THE EQUIPMENT — Prohibitions and precautions —

- * Operation;
 - 1. DO NOT HOLD HOOK SWITCH DOWN WHILE PICKING UP HANDSET, THE CALL TONE SOUNDS THRU THE HANDSET RECEIVER ELEMENT AND COULD CAUSE HEARING DAMAGE.
 - 2. Common talk system. Your conversation with entrance station can be heard if other apartment station picks up handset.
 - 3. Calling & communication are not available between two room stations, if installed, in the same apartment.
- * Installation;
 - 1. DO NOT CONNECT ANY TERMINAL ON ANY UNIT TO AC POWER LINES.
 - 2. Only one entrance station per system.
- * Unit selection;
 - The VC-K/VC-M models are not compatible with the existing models: VA-K/VAM-/VAM-A.
- * Maintenance;
 - 1. Clean your VC-K station with a soft cloth dampened with neutral household cleanser. Never use thinner nor benzine, etc.
 - 2. Do not splash water on the entrance station by hose, etc.
 - 3. Call button unit can be replaced individually.

SYSTEM COMPONENTS

MODELS	DESCRIPTION	QTY PER SYSTEM	REMARKS
• Apartment station; VC-K	Apartment station with DOOR RELEASE button. Wall-mount only.	One or two per apartment.	* Mounts on SINGLE-GANG BOX.
• Entrance station; VC-0M VC-1M VC-2M VC-4M VC-6M VC-6M VC-8M VC-10M	Entrance station with back box. 0-call. - do -, 1-call. - do -, 2-call. - do -, 4-call. - do -, 6-call. - do -, 8-call. - do -, 10-call.	One per system.	 * Mounts on the supplied back box. * BACK BOX DIMENSIONS: H: 230 mm (9-1/16") W: 156 mm (6-1/8") D: 68 mm (2-11/16") * Surface-mount back box VC-BBX is available.
VC-26MY VC-42MY VC-26MT VC-58MT	One-paneled entrance station with back box, 26-call. - do -, 42-call. - do -, 26-call. - do -, 58-call.	One per system.	* Two to four back boxes can be united before flush-mounting to wall.
• Add-On panel; VCH-8 VCH-16	Add-on panel with 8 call buttons. – do –, 16 buttons.	Any number.	* Install one PS-12S (or PS-12C) power supply for one VC-M plus up to two VCH, and an additional power supply for every three VCH.
• Door release; EL-9S RY-PA	Electric door release. AC 12V, 250 mA. Door release relay adaptor.	One per system. 1 pce.	Contact rating for electric door release; Max. AC/DC 24V, 2.5A.
• Power supply; PS-12S PS-12A PS-12C	Power supply adaptor. ACI 10-125V, 220-240V. 50/60 Hz. Output: DC 12V, AC12V. - do -, DC 12V only. - do -, UL/CSA LISTED. DC 12V (for North America).	One for one VCM + two VCH. Additional for every three VCH.	* No additional power supply is required when the back illumination is not wired.
• For additional audio call; RY-PA	Relay adaptor for chime or buzzer.	One per room station.	Contact rating; Max. AC/DC 24V, 2.5A. * Chime or buzzer must be powered separately from the system.



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WIRING DIAGRAMS









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ENTRANCE STATION



Depress CALL button of corresponding apartment. After apartment station replies, talk handsfree.



Electronic buzzer sounds

at (two) room station(s).

(and at call extension, if

installed.)

APARTMENT STATION



Pick up handset to reply.

Depress and hold Door RELEASE button to activate door release.



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SPECIFICATIONS

- Power source: DC 12V. Use PS-12S or PS-12A (or PS-12C in North America) power supply.
 - Current consumption: 80 mA (at intercom). 100 mA (at lamp).
- Calling: Electronic buzzer tone (Frequency; Approx. 600 Hz.)
- Talk channel: Single channel, common talk system.
- Wiring: 4 wires in common + 1 individual per apartment (3 wires plus 1, if door release is not included).
- Wiring distance: (Line resistance; Max. 35 ohm looped).
- Between VC-M & VC-K;

Diameter	0.6 mm	0.65 mm	0.8 mm	1.0 mm
Distance	280 m	330 m	500 m	800 m
AWG		22 AWG	20 AWG	18 AWG
Distance		1,100′	1,650′	2,500′

• Between power supply and door station; (Line resistance: Max. 4 ohm looped)

Diameter	0.6 mm	0.65 mm	0.8 mm	1.0 mm
Distance	30 m	40 m	60 m	90 m
AWG		22 AWG	20 AWG	18 AWG
Distance		125'	190'	280'

	Height	Width	1	Depth
VC-M panel	260 mm (10-1/4'')	186 mm (7-	5/16'')	2 mm (5/64'')
VC-M back box	230 mm (9-1/16'')	156 mm (6-	1/8'')	68 mm (2-11/16'
VC-K	210 mm (8-1/4'')	80 mm (3-	1/8'')	61 mm (2-3/8'')
VC-BBX	264 mm (10-3/8'')	190 mm (7-	1/2")	52 mm (2-1/16")
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