Model No. VL-V590 with VL-SWD272

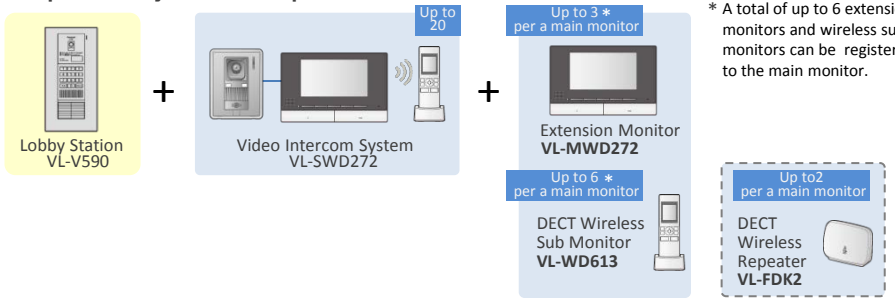
Multi-Entrance System (Up to 20 Residences)

・Only for destination in Middle East, Asia

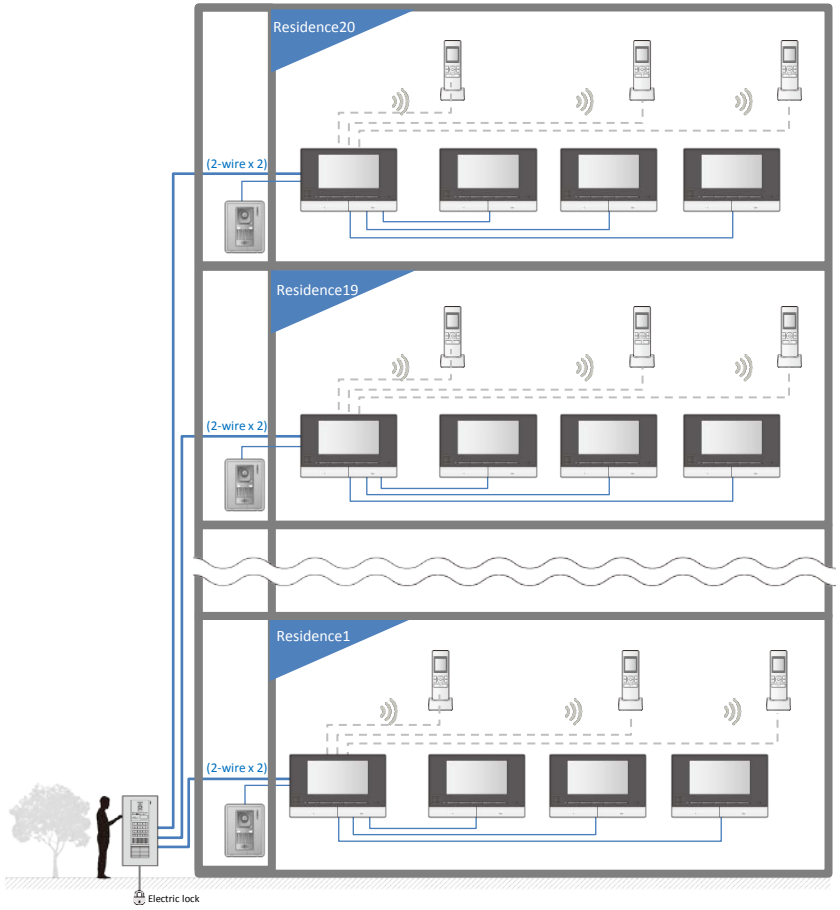
Panasonic

System Configuration

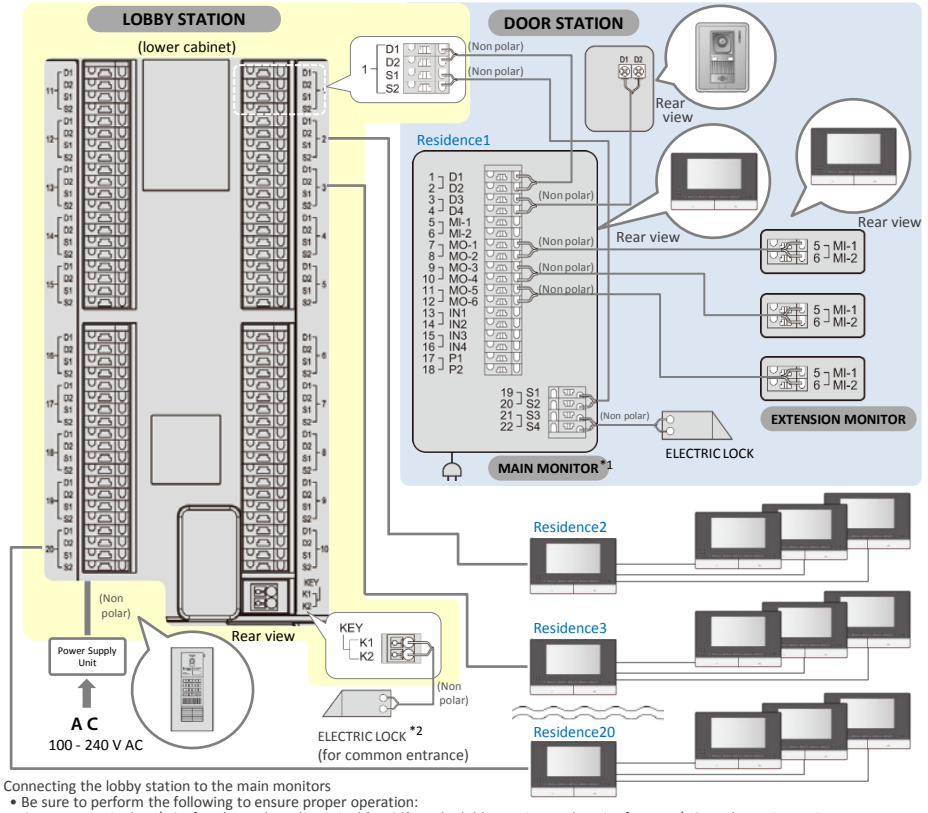
Expanded system example



* A total of up to 6 extension monitors and wireless sub monitors can be registered to the main monitor.



Wiring Schematic Diagram



*1 Connecting the lobby station to the main monitors
- Be sure to perform the following to ensure proper operation:
  - Connect terminal D1/D2 of each numbered terminal (1 - 20) on the lobby station to the wire from D1/D2 on the main monitor.
  - Connect terminal S1/S2 of each numbered terminal (1 - 20) on the lobby station to the wire from S1/S2 on the main monitor.

*2 Connecting the lobby station to a electric lock (for common entrance)
- Before connecting to a electric lock, make sure that:
  - K1/K2 terminal: Normally open/Actively short
  - The electric lock is less than 30 V AC (1 A), 24 V DC (1 A). Do not connect to a electric lock that is more than 30 V AC (1 A), 24 V DC (1 A), otherwise the unit may be damaged.
  - K1/K2 terminal on the lobby station is not the power supply to the electric lock. If the electric lock needs a power supply device to connect to the lobby station, contact the dealer where you purchased the electric lock.
- After connecting the electric lock to the lobby station, confirm that the door can be properly locked/unlocked using the main monitor depending on the status of the electric lock.
  If you have set a PIN, confirm that the door can be properly locked/unlocked using the PIN depending on the status of the electric lock.

Wire type and length

・Wire (between the lobby station and the main monitor):

Type	Distance	Loop resistance
General cable CAT-3	Max. 50 m	10 Ω or lower
General cable 22 AWG (ø 0.65~0.8)	Max. 100m	

・Wire (between the main monitor and the door station):

Type	Distance	Loop resistance
General cable CAT-3	Max. 50 m	10 Ω or lower
General cable 22 AWG (ø 0.65)	Max. 100m	

・DC cable (between the lobby station and the power supply unit):

Type	Distance	Loop resistance
Single-wired cable ø 1.2~2.0	Max. 50 m	10 Ω or lower
Twisted-wired cable 16~14 AWG		