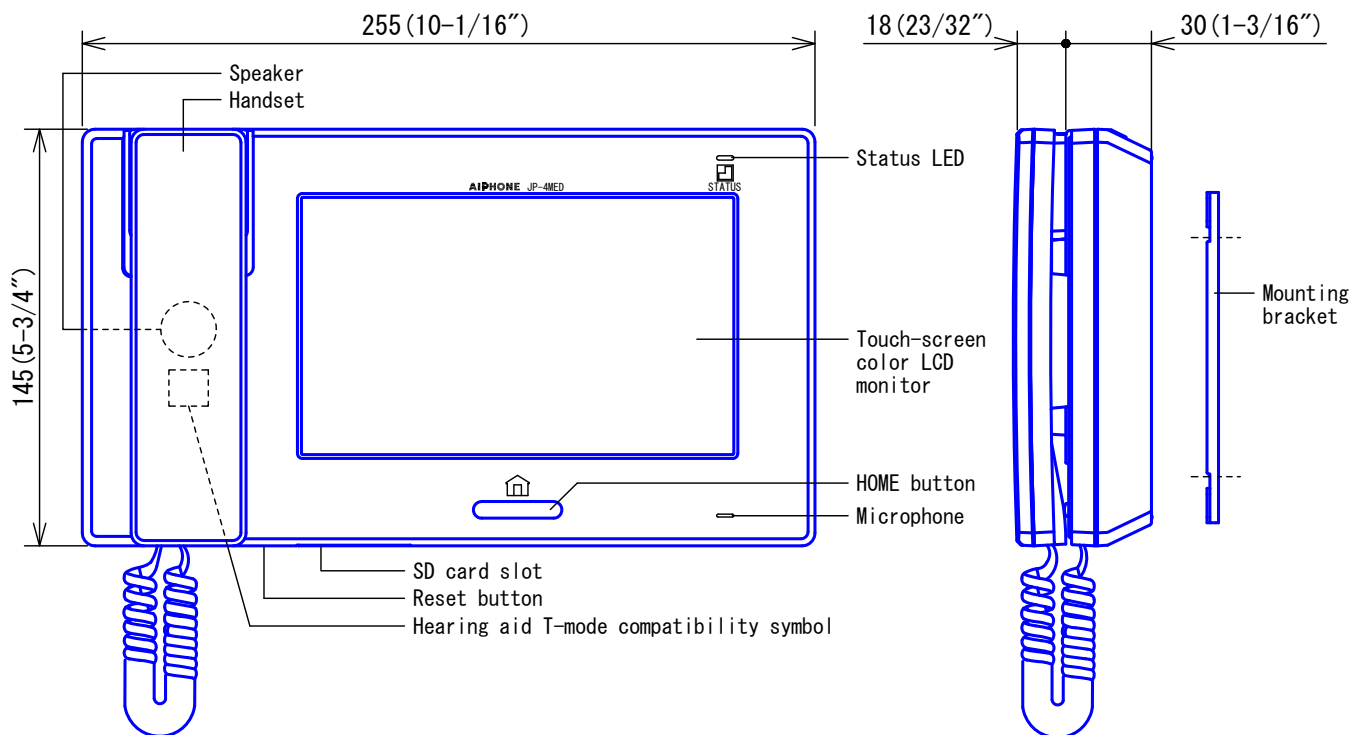
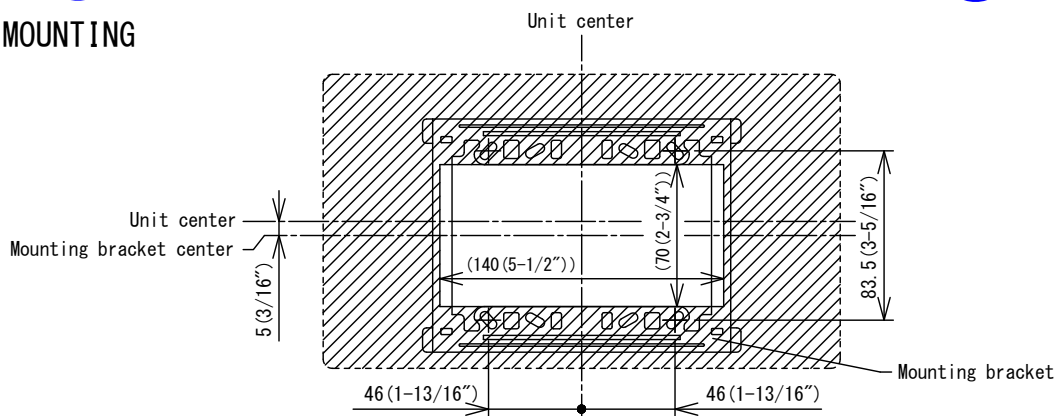


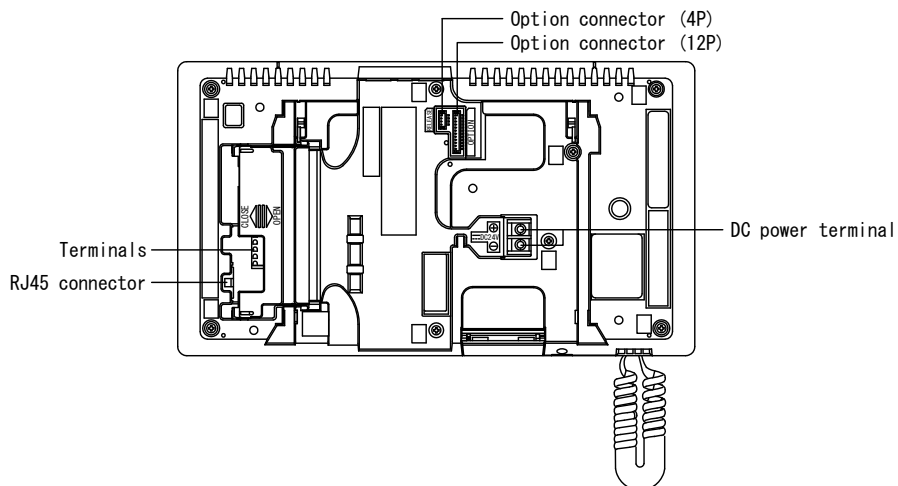
■ PRODUCT DRAWING



● MOUNTING



(): Opening cut out on the wall.



DESCRIPTION MASTER STATION	FIG. NAME PRODUCT DRAWING		UNIT mm	DATE 6 October, 2014
MODEL NO. JP-4MED	FIG. NO. 59615-1-7	PAGE 1/7	REVISION 1	AIPHONE

■ SPECIFICATIONS

Power source	24V DC, Supplied from a power supply		
Power consumption	Max. 340mA		
Video monitor	7 inch TFT color LCD		
Pixels	1,150,000 pixels		
Type of communication	Open voice hands-free auto-voice actuation Handset: Simultaneous Communication		
Operating ambient temperature	0 - 40°C (+32° F - +104° F)		
Video door station	4 unit		
Sub master station	7 unit		
Call extension	1 unit		
External sensor input	3 input (N/O or N/C dry closure contact)		
	Notification sound		
Picture memory	Internal memory: 20 pictures (6 shots/picture)		
	SD card: 1,000 pictures (40 shots/picture) (Differs depending on the SD card used.)		
Protect picture	Internal memory: 5 pictures		
	SD card: 100 pictures		
Door release contact	24V AC/DC, 0.5A (N/O dry closure contact)		
Option button output	24V AC/DC, 1A (N/O dry closure contact)		
Call tone	8 selections		
Mounting	Surface wall mount		
Electrical box	3-gang box		
Material	Flame resistant PC + ABS resin		
Weight	Approx. 790g (1.74lbs)		
Unit color	Front case: Snow white(5Y9.3/0.1 Munsell Approximation)		
DESCRIPTION	FIG. NAME	UNIT	DATE
MASTER STATION	SPECIFICATIONS	mm	2 February, 2021
MODEL NO.	FIG. NO.	PAGE	REVISION
JP-4MED	59615-2-7	2/7	2
			AIPHONE

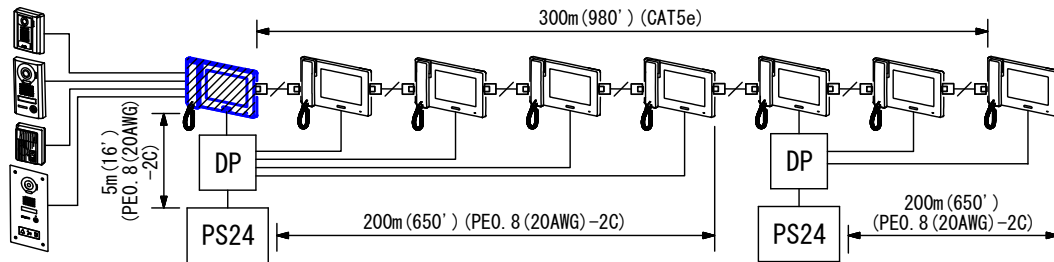
■ SELECTING POWER SUPPLY METHOD

Supply power to JP-4MED and RY-3DL from the same power supply.

1. Supplying power directly to each unit from a single power supply

CAUTION :

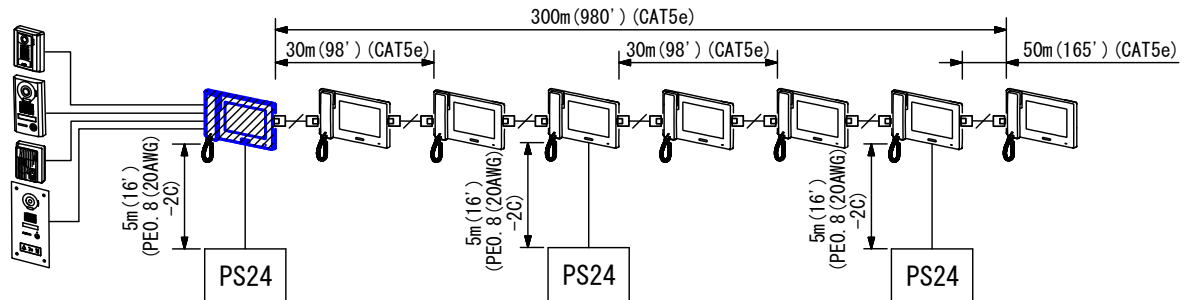
Be sure to distribute the output of the power supply close to the power supply.



The following chart indicates how many units can be powered by a single power supply.

Combination of units	Master station	Sub master station	Long distance adaptor
Master and sub master stations	1	4	-
Master and sub master stations with long distance adaptors	1	3	4
Sub master stations only	-	6	-

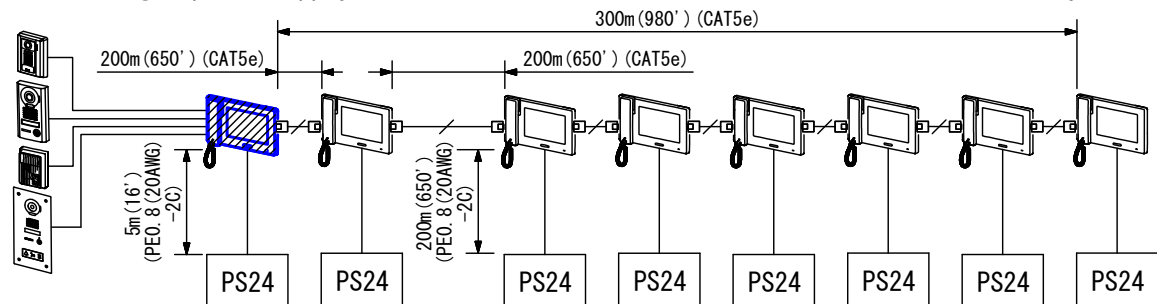
2. Supplying power to sub master stations via wiring with the master station



The following chart indicates how many units can be powered by a single power supply.

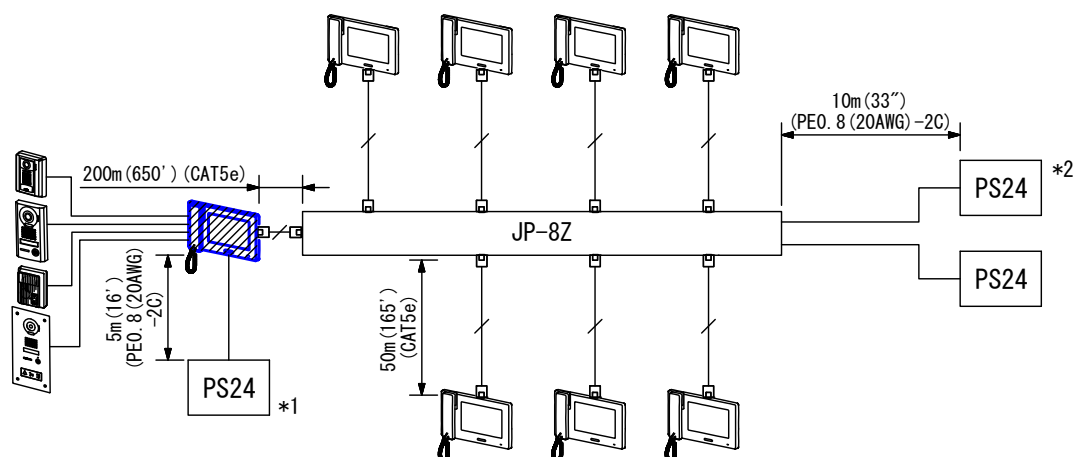
Combination of units	Master station	Sub master station	Long distance adaptor
Master and sub master stations	1	2	-
Master and sub master stations with long distance adaptors	1	2	4
Sub master stations only	-	3	-

3. Connecting a power supply to the master and each sub master station individually



DESCRIPTION MASTER STATION	FIG. NAME SELECTING POWER SUPPLY METHOD	UNIT mm	DATE 14 December, 2021
MODEL NO. JP-4MED	FIG. NO. 59615-3-7	PAGE 3/7	REVISION 2
AIPHONE			

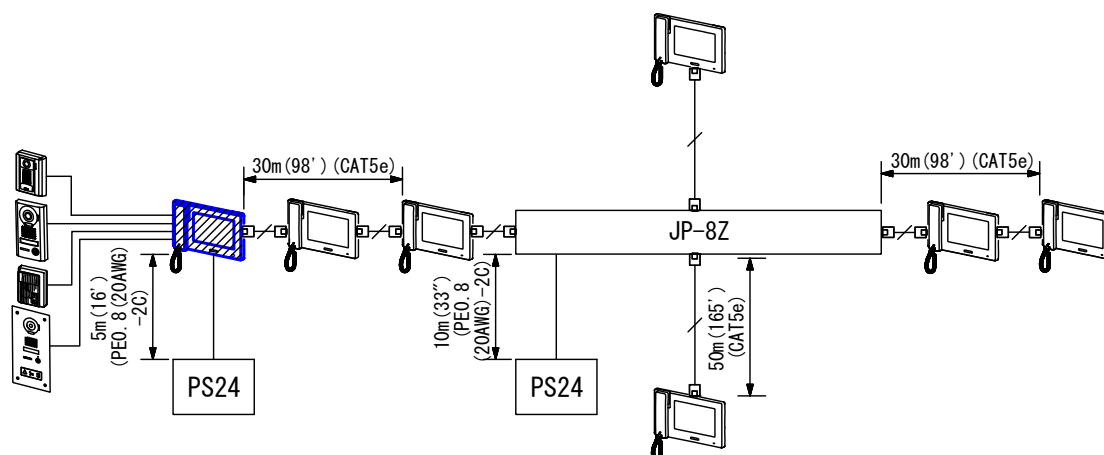
4. Supplying power to sub master stations via a distribution adaptor



*1: The master station needs a power supply.

*2: Up to four sub master stations can be supplied with one power supply.
Use two power supplies for 5 - 7 sub master stations.

5. Mix-and-match methods



PS24 : 24V DC, PS-2420, PS-2420D, PS-2420S or PS-2420UL power supply

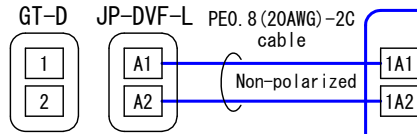
DP : Distribution point

PE: Polyethylene-insulated PVC-coated cable

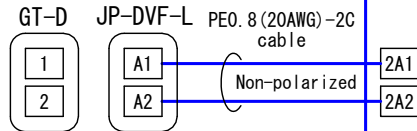
DESCRIPTION MASTER STATION	FIG. NAME WIRING DIAGRAM	UNIT mm	DATE 6 October, 2014
MODEL NO. JP-4MED	FIG. NO. 59615-4-7	PAGE 4/7	REVISION 1
			AIPHONE

■ WIRING DIAGRAM

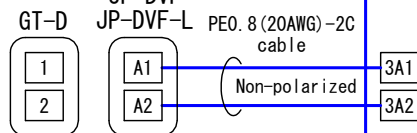
Door station 1
JP-DA, JP-DV
JP-DVF



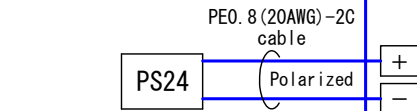
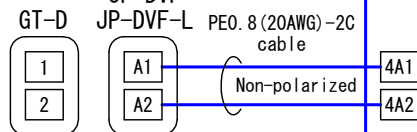
Door station 2
JP-DA, JP-DV
JP-DVF



Door station 3
JP-DA, JP-DV
JP-DVF



Door station 4
JP-DA, JP-DV
JP-DVF



PS24 : 24V DC, PS-2420,
PS-2420D, PS-2420S
or PS-2420UL
power supply

PT : AC transformer

PE: Polyethylene-insulated
PVC-coated cable

*1.

Input method	N/O or N/C dry closure contact (start signal only detection method)
Detection confirmation time	100ms or more
Contact resistance	During N/O dry closure: Less than 700Ω During N/C dry closure: At least 15kΩ
Terminal short current	Less than 10mA
Voltage between terminals	Less than 5V DC (when open between terminals)

Master station
JP-4MED

RELEASE

(Yellow) b4
(Orange) b3
(Red) b2
(Brown) b1

S

S

L1

L1

L2

L2

PT

OPTION

(Black) S3E

(Purple) S3

(Black) S2E

(Yellow) S2

(Black) S1E

(Orange) S1

(Black) SW

(Gray) SW

(White)

(Blue)

(Red) V-

(Brown) V+

Sub
Master
station
JP-4HD

CAT5e
straight
(non-
shielded)

M (IN)

M (OUT)

+

-

PE0.8 (20AWG) -2C
cable

Polarized

PS24

PE0.8 (20AWG) -2C
cable

Non-polarized

A1

A2

PE0.8 (20AWG) -2C
cable

Non-polarized

Electric door
strike
EL-12S

PE0.8 (20AWG) -2C
cable

Non-polarized

Electric door
strike
EL-12S

PT

An EL-12S (AC 12V 0.125A, DC 12V 0.2A) or equivalent
part and a separate AC transformer are required.

- Run separate cables for audio/video and door release.
- Door release contact: AC/DC 24V, 0.5A
(Minimum Contact: 100mV DC, 0.1mA)
(N/O dry closure contact L1, L2).

*2. Connect an alarm sensor, light, etc. here.

Contact capacity:

Maximum overload: N/O dry closure contact AC/DC24V, 1A
Minimum overload: DC5V, 100mA

*3. Outputs video signals to DVRs etc.

- NTSC/PAL, 1Vp-p/75Ω
- Wiring distance: 3m(10')

Distribution
adaptor
JP-8Z

M (IN)

M (OUT)

+

-

PE0.8 (20AWG) -2C
cable

Polarized

PS24

PE0.8 (20AWG) -2C
cable

Non-polarized

PS24

PE0.8 (20AWG) -2C
cable

Non-polarized

PS24

or

Optional call
extension speaker
IER-2

DESCRIPTION MASTER STATION	FIG. NAME WIRING DIAGRAM	UNIT mm	DATE 6 October, 2014
MODEL NO. JP-4MED	FIG. NO. 59615-5-7	PAGE 5/7	REVISION 1
AIPHONE			

■RESTRICTIONS

- Due to hands-free auto-voice actuation system, smooth voice switching may be hindered by voice strength of the opponent or ambient noise, etc.
- One Call extension can be connected. However instant voice call of door station is not available from Call extension.
- The adjusting with call tone volume on the Master station does not vary the volume from Call extension.
- 7 Sub station, JP-4HD can be connected.

■RESTRICTIONS ON WIRING

- For wiring, it is recommended to use a single vinyl jacketed cable with PE(polyethylene) insulation. The following cables can not be used;
 - Coaxial cable
 - Individual conductors
 - Twisted pair cable
 - Cable with conductors in odd number
- Keep the intercom wires more than 30cm(12") away from AC power lines.
(It causes noise in communication and malfunction) When using the existing cable run, the system may not work properly by type. In that case, it becomes necessary to install a new cable.

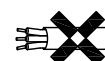
PARALLEL CABLE



COAXIAL CABLE



ODD NO.
OF CONDUCTORS



■FUNCTIONS

- Calling door station, call stand-by approx. 45 or 90 sec./Communication, approx. 1 minute/ 3 minutes for handset/Ending communication by pressing OFF button.
 - Communication status is steadily lit while speaking./during hands-free operation.
 - Backlight compensation by pressing ADJUST button while monitor is on.
(Low light compensation at night. Distinguishing between day and night is automatically done by the door station)
 - ZOOM & WIDE camera control by pressing ZOOM & WIDE button while monitor is on.
 - PanTilt camera control on ZOOM mode.
 - Pre-setting of PanTilt position for ZOOM mode.
 - Instant voice call-in with image (approx. 45 sec.)
 - Room-to-room communication by pressing CALL button, communication approx. 10 min.
 - External sensor input: When external sensor activates, monitor stations are notified notification sounds (When the outdoor output is set, JP-4MED and door station sound at a volume equivalent to "10 (Hight)."
 - Security function
 - Activating door strike.
 - Option button: Controls external device such as entrance light
- <Picture memory>
- Records call from video door station automatically
(First shot is recorded after 2 seconds.)(Total of 1 shot per sec. on the internal memory.)(Total of 4 shots per sec. on the SD card)/The REC mark is shown.
 - Press REC button to record manually/The REC mark is shown.
 - Max. 20 pictures can be recorded on the internal memory (automatic and manual recording),
(Up to 1000 can be stored on the SD card (depending on the SD card capacity))
 - Protect max. 5 pictures on the internal memory,
Up to 100 can be protected depending on the SD card.

DESCRIPTION MASTER STATION	FIG. NAME RESTRICTIONS/FUNCTIONS	UNIT mm	DATE 6 October, 2014
MODEL NO. JP-4MED	FIG. NO. 59615-6-7	PAGE 6/7	REVISION 1 AIPHONE

■ SETTING

• Settings after the installation

Item	Sub item	Setting range
SECURITY SENSOR INPUTS	(Usage of the inputs 1 - 3)	DISABLE/UTILITY/SECURITY/REQUEST TO EXIT (Inputs 1 and 2 only)/EXT. TALK INPUT (Inputs 3 only)/
	(Detection method for the inputs 1 - 3)	N/O, N/C
OPTION OUTPUT	EVENT ACTIVATION	DISABLE/ENABLE
	DURATION	MOMENTARY, 1, 3, 5, 10, 15, 20, 25, 30, 60sec.
	TRIGGER EVENT	DOOR CALL/ROOM CALL/ALARM ON/VIDEO OUT
SET DOOR RELEASE	LOCK1/LOCK2	OUTPUT METHOD
		REFERENCE DOOR (for DOOR1 - 4)
		DOOR RELEASE DURATION
INITIALIZE	-	YES/NO
SOFTWARE VERSION	-	-

• User setting

Category	Item	Sub item	Setting range
CALL	DOOR STATION SETTINGS *	DOOR1/DOOR2/DOOR3/DOOR4	ENABLE/DISABLE
		ID2/ID3/ID4/ID5/ID6/ID7/ID8	ENABLE/DISABLE
	ROOM STATION CALL SETTINGS *		
	CALL TONE	DOOR1/DOOR2/DOOR3/DOOR4/INTERNAL ROOM CALL	1 - 8
TALK	DOOR CALL DURATION	-	45sec./90sec.
	PRIVACY MODE	-	ENABLE/DISABLE
	AUTO NIGHT VOLUME	-	ENABLE/DISABLE
	VIDEO DOOR LED	-	ENABLE/DISABLE
MONITOR	ROOM MONITOR	-	ENABLE/DISABLE
	VIDEO DOOR LED	-	ENABLE/DISABLE
	DOOR MONITOR DURATION	-	30sec./60sec./120sec./CONTINUOUS
	ROOM MONITOR DURATION	-	10min./CONTINUOUS
GENERAL	SOUND SETTING	AUDIBLE TOUCH TONE	-
		VOICE GUIDANCE (JP-DVF-L only)	DOOR 1 DOOR 2 DOOR 3 DOOR 4
	DOOR RELEASE *	-	DOOR1/DOOR2/DOOR3/DOOR4
	PIN SETTING	-	CURRENT PIN/NEW PIN
	DATE/TIME	-	(MONTH/DAY/YEAR/HOUR/MINUTE)
	ALARM SETTING	SECURITY SETTING	EXIT DELAY SETTING
			RETURN DELAY SETTING
			ALARM PIN
		UTILITY SETTING	ALARM AT DOOR
			ALARM DURATION
	SD CARD	EXPORT RECORDED IMAGES	-
		FORMAT SD CARD	-
	ROOM STATION NAME	-	ID1 - ID8
	LANGUAGE	-	ENGLISH/FRANCAIS/DEUTSCH/NEDERLANDS/ESPAÑOL/ITALIANO/NORSKE/繁體中文/中文(簡體)
ADJUST		-	1 - 10
	VOLUME		0 (mute), 1 - 10
RECORD	SELECT RECORD SETTINGS	-	ZOOM > WIDE WIDE > ZOOM ZOOM WIDE
		ERASE ALL RECORDED IMAGES	-

*. It is required to enter PIN before making this setting.

DESCRIPTION MASTER STATION	FIG. NAME SETTING	UNIT mm	DATE 6 October, 2014
MODEL NO. JP-4MED	FIG. NO. 59615-7-7	PAGE 7/7	REVISION 1
			AIPHONE