

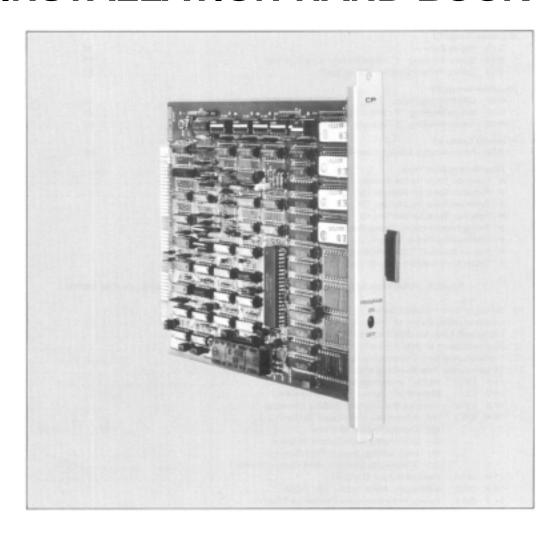
For			

TOA EXES-6000 INTERCOM SYSTEM

Central Processing Unit for Single Exchange

CP-62

INSTALLATION HAND BOOK



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• INTRODUCTION TO THE INSTALLATION MANUAL FOR EXES-6000

This manual forms part of the Installation Manual for TOA INTERCOM SYSTEM EXES-6000.

You may add the CP-62 to your TOA INTERCOM SYSTEM EXES-6000, according to your specific needs, to obtain various other functions. Correct operation of these additional functions is not performed by simply conecting the additional equipments/devices.

Provision of such additional function requires the following:

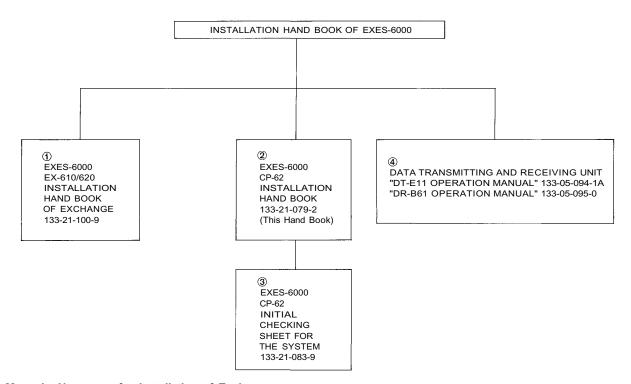
- (1) Connection of the additional equipment, as required.
- (2) Selection of functions which satisfy your needs and setting up these functions in the respective equipment.

For (1) Connections of Equipment, etc., refer to "① Installation Handbook of Model EX-610/620 EXCHANGE" or "④ Operation Manual of Data Transmitting and Receiving Units", etc.

This "Installation Handbook of CP-62"deals principally with (2) Selection of functions and setting up of respective equipment. There are certain minimum installation requirements to be met even

though you may not need many additional functions or additional equipment, it is still necessary to read "2. Initial CP-62 Set Up (Page 6)". When you may use only some of the additional functions or equipments, it is not necessary to read instructions on unrequired functions. Make sure, however, that careful study of the necessary parts of this booklet should be done before proceeding further.

Note: Refer to "Installation handbook of CP-63" when installing Tie-line system.



Manuals Necessary for Installation of Exchange

	REQUIRED INSTALLATION HAND BOOK									
SYSTEMS OF EXES-6000	① EX-610/620 INSTALLATION HAND BOOK OF EXCHANGE	② CP-62 INSTALLATION HAND BOOK	③ CP-62 INITIAL CHECKING SHEET	CP-63 INSTALLATION HAND BOOK	CP-63 INITIAL CHECKING SHEET	DATA TRANSMITTING AND RECEIVING UNIT OPERATION MANUAL				
Normal Conversation and Paging System	0	0	0		1 11 11					
B Normal Conversation and Paging System with Display and Control Functions	0	0	0			0				
© Tie-line System with Normal Conversation and Paging Functions	0			0	0					
(D) Tie-line System with Normal Conversation, Paging, Display and Control Functions	0			0	0	0				

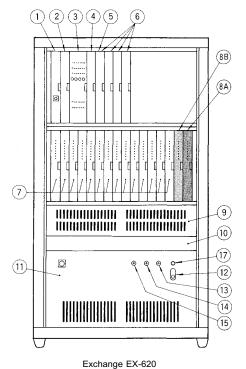
• FUNCTIONS WHICH REQUIRE ADDITIONAL UNITS

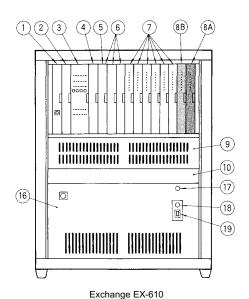
Those functions of the CP-62 which require either the addition of specific units or processing in existing units are as mentioned below. Before installation and adjustment of equipment, make sure to check your system.

(For Data Transmitting and Receiving units, refer to Part 2. "Function Selection for Data Transmitting and Receiving units" Page 46.)

Function	Additional Equipment Required	Unit Model Number	Remarks				
Talk-Back from paging speaker	Talk-Back Unit	TK-12	Not yet available for sale.				
Conference	ConferenceUnit	CL-62					
External PA Paging	Paging Interface Unit	PI-62	External PA Equipment is required.				
Station Paging (including Paging Priority)	Paging Interface Unit	PI-62	Wiring of "Station Paging Assignment" located at the back of the frame of the Exchange. Cutting of LM-62 jumper wire to split station paging system.				
			PI-62 Type 1 is different from PI-62 Type 2 in the following parts being used in each unit. Type PI-62 Type 1 PI-62 Type 2				
			All-call +7 Paging 8 Zones (No. 8-15) Zones (No. 0-7) without All-call				
			Jumper Connected Disconnected				
			R100 (220K Ω) Not mounted Mounted				
All call plus 15 individual paging zones	Paging Interface Unit	PI-62 (2 pcs)	2. Solder the electrolytic capacitor (33 μF) to the terminals, and "PO" and "No. 319" (paired with No. 312) for EX-620, "PO" and "No. 255" (paired with No. 248) for EX-610 of "Station Paging Assignment" on the rear of exchange frame. Do not connect No. 319 (255) to GND. Polarity of capacitor PO : ⊖, No. 319 (255): ⊕ STATION PAGING ASSIGNMENT STATION PAGING ASSIGNMENT For EX-62				
Press-to-talk Control	Paging Interface Unit	PI-62	1. Insert the PI-62 into the place allocated to the PI-62 Type 2. 2. You can use whichever type, type 1 or 2, of the PI-62 but be sure not to connect the terminal "No.319" (paired with the terminal No.312) of the "Station Paging Assignment" to the ground (GND). 3. When you call any of the stations from No.232 (132) through 239 (139) and press the PI unit will close and open in step with the PI unit will close and open in step with the PITT key. For example, calling the station No.232 (132) using the PIT key causes the PI's relay zero (0) to operate in step or calling the station No.234 causes the PI's relay 2 to operate in step. This feature may be used for Door Remote or tor controlling Radio Transmitting/Receiving Equipment through user provided interface.				
Emergency All-call Paging	Paging Interface Unit	PI-62	This function works when the Handset substation connected to No.247 (147) is picked up or when the privacy switch of a Hands-free Substation connected to No.247 (147) is moved from the ON to OFF position. If your wish to use this specified line for any other purpose, you need to make the device incorporating the circuit similar to the one of the station but modified to suit such purpose.				
Indication and Control	Data Transmitting Unit	DT-E11	The number that can be mounted on the cabinet-mount type exchange is one (1). Use the connection cable YR-806. When more than 2 pieces are mounted, we suggest you use rack-mount type exchange. For connection between the exchange and the DT-E11, use the YR-802, and THE YR-803 for extension of the DT-E11.				
	Data Receiving Unit	DR-B61	Such devices as indicator, control unit, etc. can be made by using this unit and 24 VDC power supply.				

Mounting Example of Cabinet-mount Type Exchange (All-Call Paging and 15 Indivisual Zone Paging)





- Exchange EX-020
- ① Central Processing Unit CP-62
- 2 Output Control Unit OC-62
- 3 Highway Control Unit HC-62
- 4 Signal Generating and Distributing Unit SG-62
- (5) Conference Link Unit CL-62
- 6 Duplex Link Unit DL-62
- 7 Line Modem Unit LM-62
- (8A) Paging Interface Unit PI-62 (Type 1) (Zone 0-7 with All-Call Paging)
- (8B) Paging Interface Unit PI-62 (Type 2) (Zone 8-15 without All-Call Paging)
- 9 Perforated Panel PF-022G

- 10 Data Transmitting Unit DT-E11
- 1 Power Supply Unit DS-620
- (12) Power Switch
- (3) AC Fuse
- (14) DC Fuse
- 15 Battery Fuse
- 16 Power Supply Unit DS-610
- (7) Power Indication Lamp
- (18) Battery Power Indication Lamp
- 19 Buzzer Stop Switch

PART 1. OPERATING OF CP UNIT AND NO. 200 PROGRAMMING —

1. PRECAUTIONS FOR INSTALLATION OF CP-62

Please read following instructions carefully to ensure proper operation of the CP-62.

- Be careful about damage by static electricity as the CP-62 incorporates CMOS IC's. Do not touch components and connectors.
- Turn off the AC power switch when you take out or insert the CP-62 unit, or any other unit.
- 3. Always insert the CP-62 unit into the "CP" slot. Otherwise, there is a danger that the unit will be damaged.
- Make sure mini-jumper for battery back-up is always placed in ON position each time it is used.
- Incorrect setting of function select switches may lead to incorrect performance.
- Even if you do not need programming functions, be sure to carry out initial programming and registration at station No.200 when you install the new unit. Otherwise, some other functions may not work properly.
- The Ni-Cd battery GB50-3FA1 is capable of saving important memory registration data even at times of power failure.

To keep the battery fully charged, do not cut the power off for long hours during the first <u>8 days</u> after new installation. The CP-62 unit is capable of maintaining the programmed data for the period of <u>4 weeks</u> after fully charged even in the event of long hours of power failure.

(About 4 weeks (25°C), About 8 days (40°C))

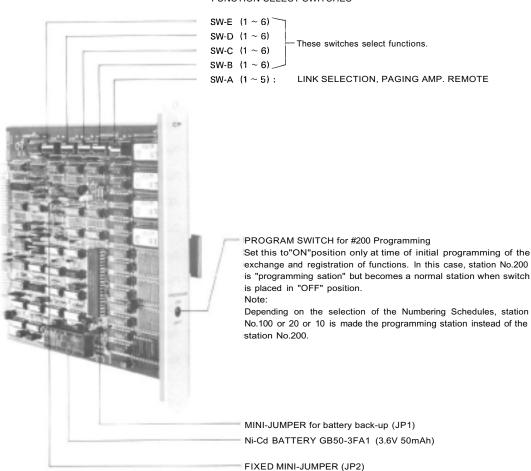
- We suggest you replace the soldered button battery GB50-3FA1 (115-42-031-9) with the new one according to the following list that shows an expected life span of the battery.
 - Be sure to make the station No.200 programming after replacement of the battery.

• Expected Life Span of small Ni-Cd Battery

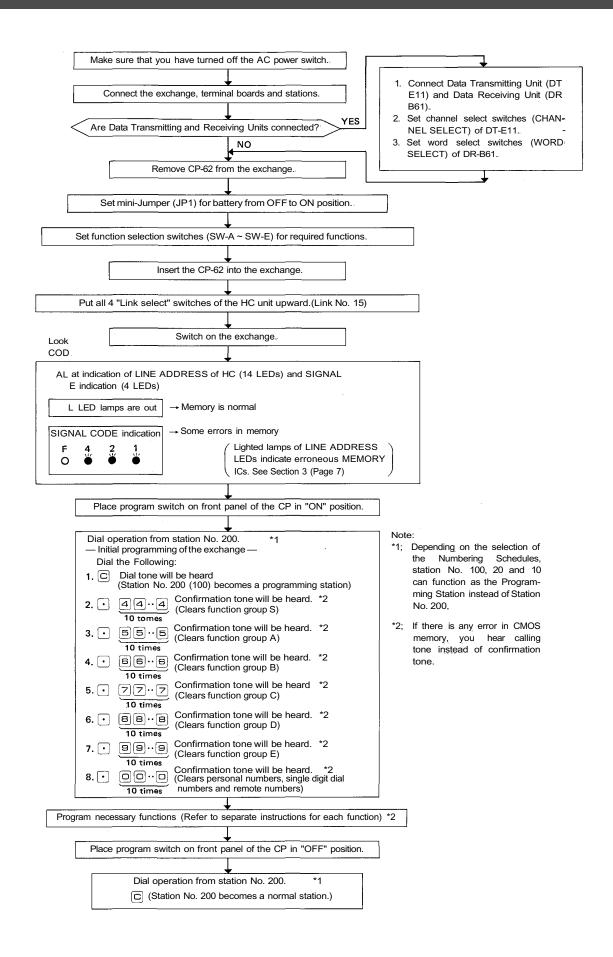
Ambient temperature of exchange	Ambient temperature of battery	Life span		
0°C	10°C	About 5 years		
25° C	35° C	About 4 years		
40° C	55° C	About 2 years		

When shipping the CP-62 unit independently, place the minijumper for battery back-up in "OFF" position. Cover the CP back with cardboard, wrap connector section in aluminium foil and put it in a conductive bag.

FUNCTION SELECT SWITCHES



Note: Do not removal



3. TROUBLE SHOOTING

3-1 Check of ROM & NMOS-RAM - No calls on the system.

- Put the 4 "LINK SELECT" switches of the HC upward (Link No. 15 SELECT) and switch on the AC power of the exchange.
- 2. If there is no error, the indication lamps will not light.
- 3. In the event of a memory error, the lamps may light as shown in the example of Fig. 1.
- The error indications will remain on until you use Link No. 15 for communications.

3-2 Confirming of the CP normal working

If the CP, OC and HC are working normally, the HC's indication lamps of LINE BUSY, LINE ADDRESS and SIGNAL CODE go out.

When any of the lamps lies alight, it is possible that any of the CP, OC or HC is faulty.

Check first that the CLOCK lamp of the HC is lighting, then confirm that the CP is working normally by hearing the clicking sound of the PI unit's relay which is produced when the relay is activated through dial operation of the paging. If the CP is found working normally, chances are that the HC is faulty, followed by the OC.

3-3 Check of CMOS-RAM (Programmed data memory)

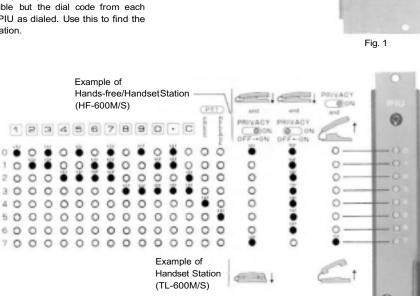
You hear calling tone instead of confirmation tone, if there is CMOS memory error at the time of initial programming and registration using station No. 200, or at the time of registration to Single Digit Number or Personal Number or Remote Number.

3-4 Dial receiving test

- Instead of the PI-62 unit, use the PIU-52A (a unit used in the EXES-5000 System) to check the dial receiving section of the CP also to check if the signal is correctly transmitted as dialed from the station to be tested.
- If you place all "LINK SELECT" switches (1 ~ 4) of SW-A on the CP-62 in "OFF" position, conversation is impossible but the dial code from each station is indicated on the LED's of the PIU as dialed. Use this to find the cause of any fault of receiving dial information.
- With use of the PI-62 unit fitted with no LED, you can also check that the CP receives the dial signal by hearing the click sound of the relay produced when it is activated.

Fig. 2 DIP switches (SW-A of the CP)



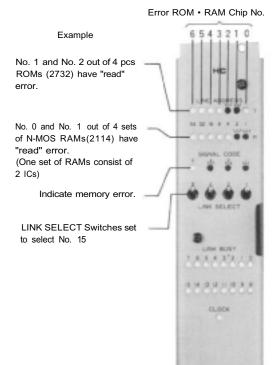


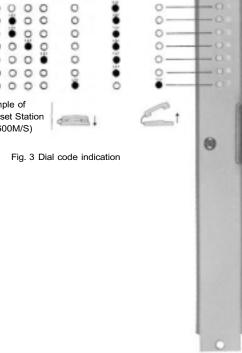
3-5 The order of link usage.

After power is on, links are used in numerical order for each communication. Remember this to help you when problems are found with specific links.

Remarks:

- Be sure to avoid mistake at the time of DIP switch installation and No. 200
 Programming since such mistake may lead to trouble later.
- Be sure to make "No. 200 Programming" after "Programming Data Table" (attached to this manual) is filled out. Keep the finished "Programming Data Table" (Initial Checking Sheet for the System 133-21-083-9) as a part of complete drawings for each installation.





PIU-52A unit

4. CP-62 DIP SWITCHES FOR FUNCTION SELECTION

	055 011	[Functions	Switch OFF	Switch ON]
	OFF ON		Link Selection; Link No. 0 ~ 3	Not Activate	Activate	
	• 2		Link Selection; Link No. 4 ~ 7	Not Activate	Activate	
SW-A	• 3 -		Link Selection; Link No. 8 ~ 11	Not Activate	Activate	1
	• 4		Link Selection; Link No. 12 ~ 15	Not Activate	Activate	
	5 -		Time Interval Adjustment before Paging Pre-announcement tone	None	1 sec	
	OFF ON					
	• 1 -		Conference	Not Activate	Activate	Ì
	• 2 -		Call Transfer, Paging During Normal Call	Not Activate	Activate	*1
SW-B	• 3 -		Priority & Executive Priority	Not Activate	Activate	
011 2	• 4		Paging	Not Activate	Activate	
	5		Secretary Transfer, Group Hunting	Not Activate	Activate	
	• 6		System Size Selection	EX-610	EX-620	
	OFF ON	Ī			-	
	0FF 0N ● 1 -		Selectable Numbering Schedules	No.200 (20)~	No.100 (10)~	ĺ
	• 2		Emergency All-Call	Not Activate	Activate	*1
SW-C	• 3 -·		Paging Priority	Not Activate	Activate	*1
011 0	• 4		Combination Paging	Not Activate	Activate	*1
	• 5		15 Individual Paging Zones	7 Zones	15 Zones	*1
	• 6 -		2-Digit Dialing	3 Digit	2 Digit	
	OFF ON	1				
	1		Stations Allowed Access to All Call, Conference and General Purpose Control	Not Activate	Activate	*1
	• 2 -·		Call Forwarding	Not Activate	Activate	
SW-D	● 3		Personal Number-Paging/Calling	P.No.Calling	P.No.Paging	*1
	• 4		Group Blocking	Not Activate	Activate	
	5 -		Programmable Station Numbering	Not Activate	Activate	
	6		Pager	Not Activate	Activate	
	OFF ON					
	• 1		Selectable Function Code	F	• F	
	• 2 -··		Selectable Dial Operation for Paging Response	(v)e(v)	(•) 9	
SW-E	• 3 -		Output Capacity of General Purpose Control	Small	Large	*2
	• 4		Memory of Calling Party Indication (Lamp type)	Without memory	With memory	*3
	5 -		Tone of Called Mode at Privacy Sw. ON	Privacy	Continuous calling	*4
	• 6 -·		Continuous Calling Tone (No. 200 Programming)	Not Activate	Activate	
		_		•		

Note: *1 Be sure to place the SW-B-4 (Paging) switch in the ON position when Paging and its allied functions are used.

^{*2} Selection of "Large" adds 1 more digit to the number operated. Example: \bullet 3 (\times) \times \times

^{*3} When set to the "Active" position, the lamp continues to light to indicate all the stations that initiate calls to the called stations in the "Privacy" or "Busy" mode.

*4 Place the DIP switch in "OFF" position if the system to be used is of "PV" type, in "ON" position if "NP" type.

Remarks 1. DIP Switch Positions to Turn out the Same Functions as the CPU-52A of EXES-5000

— Standard Hands-free Intercom System — Place the DIP Switches in the ● Positions as follows. **Functions** Switch OFF Switch ON ON 0FF Link Selection; Link No. 0 ~ 3 Not Activate Activate Not Activate Activate Link Selection; Link No. 4 ~ 7 SW-A 3 Link Selection; Link No. 8 ~ 11 Not Activate Activate 4 Link Selection; Link No. 12 ~ 15 Not Activate Activate Time Interval Adjustment before Paging 5 None 1 sec Pre-announcement tone 0FF ON Conference Not Activate Activate 2 Call Transfer, Paging During Normal Call Not Activate Activate *1 3 Priority & Executive Priority Not Activate Activate SW-B 4 Not Activate Activate 5 Secretary Transfer, Group Hunting Not Activate Activate 6 System Size Selection EX-610 EX-620 0FF • Selectable Numbering Schedules No.200 (20)~ No. 100 (10)~ 2 **Emergency All-Call** Not Activate Activate *1 3 Paging Priority Not Activate Activate SW-C 4 Combination Paging Not Activate Activate 5 • 15 Individual Paging Zones 15 Zones 7 Zones *1 6 • 2-Digit Dialing 3 Digit 2 Digit OFF 0N Stations Allowed Access to All Call, Conference and General Purpose Control • Not Activate Activate 2 • Call Forwarding Not Activate Activate 3 Personal Number-Paging/Calling P.No.Calling P.No.Paging SW-D 4 Group Blocking Not Activate Activate • 5 Programmable Station Numbering Not Activate Activate • 6 Not Activate Pager Activate 0FF F • F Selectable Function Code (\mathbf{V}) 2 (\bullet) 9 Selectable Dial Operation for Paging Response 3 *2 Output Capacity of General Purpose Control Small Large SW-E 4 Memory of Calling Party Indication (Lamp type) Without memory With memory *3 5 Privacy Tone of Called Mode at Privacy Sw. ON Continuous calling *4 Continuous Calling Tone (No. 200 Programming) 6 Not Activate Activate •

Remarks 2. DIP Switch Positions to turn out the Same Functions as the CPU-55 of EXES-5000

— Hands-free Intercom System with Multi Functions — Place the DIP Switches in the ● Positions as follows. **Functions** Switch OFF Switch ON OFF Activate 1 Link Selection; Link No. 0 ~ 3 Not Activate 2 Activate Link Selection; Link No. 4 ~ 7 Not Activate SW-A 3 Link Selection; Link No. 8 ~ 11 Not Activate Activate 4 Link Selection; Link No. 12 ~ 15 Not Activate Activate Time Interval Adjustment before Paging 5 None 1 sec Pre-announcement tone OFF 1 Conference Not Activate Activate 2 Call Transfer, Paging During Normal Call Not Activate Activate 3 Priority & Executive Priority Not Activate Activate SW-B 4 Not Activate Paging Activate 5 Secretary Transfer, Group Hunting Not Activate Activate 6 System Size Selection EX-610 EX-620 OFF ON • Selectable Numbering Schedules No.200 (20)~ No.100 (10)~ 2 **Emergency All-Call** Activate Not Activate 3 Paging Priority Not Activate Activate SW-C 4 Combination Paging Not Activate Activate 5 15 Individual Paging Zones 7 Zones 15 Zones 6 3 Digit 2 Digit 2-Digit Dialing OFF ON Stations Allowed Access to All Call, Conference and General Purpose Control Not Activate Activate 2 Not Activate Activate Call Forwarding 3 Personal Number-Paging/Calling P.No.Calling P.No.Paging SW-D 4 Group Blocking Not Activate Activate 5 Programmable Station Numbering Not Activate Activate 6 Pager Not Activate Activate 0FF 0N $[\vdash]$ • F • 1 Selectable Function Code $(\mathbf{I})(\mathbf{X})(\mathbf{X})$ • 2 (lacksquare) lacksquareSelectable Dial Operation for Paging Response 3 *2 • Output Capacity of General Purpose Control Small Large SW-E 4 • Memory of Calling Party Indication (Lamp type) Without memory With memory *3 *4 5 Tone of Called Mode at Privacy Sw. ON Privacy Continuous calling Continuous Calling Tone (No. 200 Programming) 6 Not Activate Activate Note: Following specification changes have been made from the CPU-55 to the CP-62. Function CPU-55 8 Selectable Make Output (X:1~9, Y:0~7) PXBE *1 (9 units) (X:1~9, Y:1~8, 0) Calling Party Indication (Numerical Type) No. 201 ~ 232 *2 Np. 200 ~ 231 The Station having a Indication Board Continuous Calling Tone 1~9,0,0,0 *3 (PTT) One-touch Response

5. SETTING DIP SWITCH POSITIONS FOR FOUR (4) DIFFERENT TYPES OF DIAL OPERATION

The EXES-6000 system incorporating the CP-62 enables you to select the most suitable Numbering Schedule and Dial Operation of functions,

depending on the Number of stations and on the functions required for the system.

		e and F		Тур	pe1	Тур	pe 2	Ту	pe3	Тур	pe 4	
	Item			3-Digit Diali	ng, Standard	3-Digit Dialing, Prog. St. No.		2-Digit Dialing, Paging mainly		2-Digit Dialing, 90 Stations		
ڻ.	2-Digit Dialing Selectable Function Code		V-C-6		OFF (3-Dig	git Dialing)			ON (2-Dig	jit Dialing)		
Swite			V-E-1	OFF ((F··) *1	ON (*1	OFF (F · · (0	Only "Paging"))*1	ON (· [F···) *1	
립	Selectable Numberin Schedules	g sv	V-C-1	OFF (200 (20))	ON (100 (10)) *3	OFF (200 (20))	ON (100(10)) *3	OFF (200 (20))	ON (100 (10)) *3	OFF (200 (20))	ON (100 (10)) *3	
	Numbering Schodule	Stati	dwired on No.	No.200~327	No.100~227	No.200~327	No.100~227	No.20~79	No. 10~79	No.20~99	No.10~99	
tion	Numbering Schedule	Prog	rammed ion No.	No.200~399	No.100~399	No.200~999	No.100~999	(60 Stations)	(70 Stations)	(80 Stations)	(90 Stations)	
Operation	Conference			5 XXX		· 5 XX		• 5 XX)	· 5 XX		
Dial	Single Digit Registra	gle Digit Registration			eo xxx		· BO XXX		· 60 XX		· 60 XX	
ples of	Paging Call	V.,		BX		· B X		BX		·BX		
Examples	Paging	OFF SW-E-2		OFF 90(.0),9X		"All Call" "Zone" 90(0),9X		"All Call"	"Zone" □), •9×			
	Response	J * V - L - Z	ON *4	"All Call" "Zo			Zone'' ∙ 9		one''		Zone'' • 9	
	Comparison with the EXES-5000		More functions be operation as the mits.	out same easy dial e CPU-52A per-	3-Digit Dial Operation allowed by the CPU-55. Used when "Pro- grammable Station Numbering" in necessary.		New type which gives an easier access to Station Calling and Paging in Dialing.		2-Digit Dial Operation allowed by the CPU-55.			

Note:

- *1 In the above table, F means a numerical dial number.
- *2 In the case the DIP Switch SW-E-1 for "Selectable Function Code" is placed to OFF position while the SW-C-6 for "2-digit Dialing" is in ON position, you cannot omit dialing in each function dial operation except the cases for "Paging" and "Paging Response".
- *3 in the case the DIP Switch SW-C-1 for "Selectable Numbering Schedules" is turned to ON position "No.100 (10)", both of the "Personal Number Call" and "Personal Number Paging" cannot be operated.
- *4 In the case the DIP Switch is selected for "Without Zone Number (SW-E-2: ON)", the Programming at No.200 Station for "Paging Zone Registration (Function Code 70)" is essential in order to operate Paging Response to a Zone Paging
- *5 Key operations for "General Purpose Control" always require dialing in the first place of each function dial operation regardless of the position of the DIP Switch SW-E-1.
- *6 Refer to our "Functions & Operating Instructions for EXES-6000 CP-62" as to dial operations for each function.

6. DIP SWITCH SELECTION AND STATION NO. 200 PROGRAMMING FOR EACH FUNCTION

No.200 Programming should be proceeded in the following manner.

1. Write down the required data in "9. Programming Data Table (Page 39 ~ 45)".

2. Carry out the registration according to "7. Function Code Table for Station No.200 Programming (Page 15 ~ 17)" and "8. Station No.200 Programming for Each Function (Page 18 ~ 38)".

Function	Registration or Operation at	CP DIP Switch			No. 200 Programning		
Function	Each Station	No.	Function	ON/OFF	Function Group	Function Code	Function
Single Digit Dialing	Single Digit Registration	_	_	_	_	_	_
Automatic Access to Paging	Single Digit Registration	_	_	_	А	54	Automatic Access to Paging
Master/Sub Relationship	<u> </u>	l –	_	-	В	61	Master/Sub Relationship
Privacy	Privacy SW.ON	SW-E-5	Tone of Called Mode at Privacy SW.ON	OFF	_	_	
Continuous Calling Tone at Privacy Mode	Privacy SW.ON	SW-E-5	Tone of Called Mode at Privacy SW.ON	ON	_	_	_
Continuous Calling Tone One-touch Response	_	SW-E-6	Continuous Calling Tone	ON	А	51	Continuous Calling Tone
Press-To-Talk Control	_	SW-C-5	15 Individual Paging Zones	OFF	_	_	_
December Oall	Personal Number	SW-C-1	Selectable Numbering Schedules	OFF			
Personal Number Call	Registration	SW-D-3	Personal Number Paging	OFF			
		SW-B-4	Paging	ON			
		SW-A-5	Time Interval Adjustment before Paging Pre-announce Tone	ON/OFF			
Personal Number Paging	Personal Number Registration	SW-C-1	Selectable Numbering Schedules	OFF	_	_	_
		SW-C-5	15 Individual Paging Zones	ON/OFF			
		SW-E-2	Selectable Dial Operation for Paging Response	ON	С	70	Paging Zone
	Remote Response	SW-E-5	Tone of Called Mode at Privacy SW.ON	ON			
Remote Response	Registration	or SW-E-6	or Continuous Calling Tone	ON	A	51	Continuous Calling Tone
Call Transfer	_	SW-B-2	Call Transfer, Paging during Normal Call	ON			_
		SW-B-2	Call Transfer, Paging during Normal Call	ON			
		SW-B-4	Paging	ON			
		SW-A-5	Time Interval Adjustment before Paging Pre-announce Tone	ON/OFF	_	_	_
Paging during Normal Call	_	SW-C-5	15 Individual Paging Zones	ON/OFF			
			Selectable Dial Operation	OFF			
		SW-E-Z for Paging Pagnonga		ON	С	70	Paging Zone
Group Hunting	_	SW-B-5	Secretary Transfer, Group Hunting	ON	В	62	Group Hunting
Secretary Transfer	Privacy SW.ON	SW-B-5	Secretary Transfer, Group Hunting	ON	В	60	Secretary Transfer
Call Forwarding	Call Forwarding Registration	SW-D-2	Call Forwarding	ON	_	_	_
Priority	_	SW-B-3	Priority & Executive Priority	ON	_	_	_
Executive Priority	_	SW-B-3	Priority & Executive Priority	ON	A	50	Executive Priority
Conference	_	SW-B-1	Conference	ON	_	_	-
		SW-B-4	Paging	ON			
		SW-A-5	Time Interval Adjustment before Paging Pre-announce Tone	ON/OFF			
Paging	_	SW-C-5	15 Individual Paging Zones	ON/OFF	_	_	_
			Selectable Dial Operation	OFF			
		SW-E-2	for Paging Response	ON	С	70	Paging Zone
		SW-B-4	Paging	ON			
		SW-A-5	Time Interval Adjustment before Paging Pre-announcement Tone	ON/OFF			<u>-</u>
Ozakinstina Basina		SW-C-4	Combination Paging	ON	D	80	Combination Paging
Combination Paging		SW-C-5	15 Individual Paging Zones	ON/OFF			
		SW-E-2	Selectable Dial Operation	OFF	_	_	_

e e				Registration or		CP DIP Switch			No. 200	Programning			
		Function		Operation at Each Station	No.	Function	ON/OFF	Function Group	Function Code	Function			
					SW-B-4	Paging Zone	ON						
Emerge	ency All-o	call Paging		_	SW-C-2	Emergency All-call Paging	ON	_	_	_			
					SW-C-5	15 Individual Paging Zones	ON/OFF						
					SW-B-4	Paging	ON						
					SW-A-5	Time Interval Adjustment before Paging Pre-announce Tone	OFF		_	_			
Paging	Priority				SW-C-3	Paging Priority	ON	С	70	Paging Zone (No. 1 ~ 7)			
(Zone N	No.1 ~ 7)			_	SW-C-5	15 Individual Paging Zones	ON/OFF						
					014 5 0	Selectable Dial Operation	OFF	_	_	Austria			
					SW-E-2	for Paging Response	ON	С	70	Paging Zone (No.8 ~ 15)			
					SW-C-6	2-Digit Dialing	OFF						
						No. 200~	_	SW-E-1	Selectable Function Code	OFF			
		Type 1			SW-C-1	Selectable Numbering Schedules	OFF						
		F	F			SW-C-6	2-Digit Dialing	OFF					
	_			No. 100~	_	SW-E-1	Selectable Function Code	OFF					
	Dialing				SW-C-1	Selectable Numbering Schedules	ON						
ļ	3-Digit		No. 200~				SW-C-6	2-Digit Dialing	OFF				
	6			_	SW-E-1	Selectable Function Code	ON						
		Type 2			SW-C-1	Selectable Numbering Schedules	OFF						
ration		•E···			SW-C-6	2-Digit Dialing	OFF						
al Ope						No. 100—	_ !	SW-E-1	Selectable Function Code	ON			
Schedules and Dial Operation					SW-C-1	Selectable Numbering Schedules	ON						
adules				No. 2 0 ~			SW-C-6	2-Digit Dialing	ON	_	_	_	
g Sche					_	SW-E-1	Selectable Function Code	OFF					
Numbering		Type3			SW-C-1	Selectable Numbering Schedules	OFF						
2		F			SW-C-6	2-Digit Dialing	ON						
	5	Only Paging	No. 10~	_	SW-E-1	Selectable Function Code	OFF						
ľ	Dialing	Operation			SW-C-1	Selectable Numbering Schedules	ON		1				
	2-Digit				SW-C-6	2-Digit Dialing	ON						
			No. 2 0 ~	_	SW-E-1	Selectable Function Code	ON						
		Type 4			SW-C-1	Selectable Numbering Schedules	OFF						
		⊙E···			SW-C-6	2-Digit Dialing	ON						
			No. 10~	_	SW-E-1	Selectable Function Code	ON		1				
					SW-C-1	Selectable Numbering Schedules	ON						
	Output Capacity of General Purpose Control		_	SW-E-3	Output Capacity of General Purpose Control	ON/OFF							
Progra	Programmable Station Numbering		_	SW-D-5	Programmable Station Numbering	ON	E	90	Programmable Station Numbering				
								С	71	Establishment of Each Groups			
Group	Blocking			_	SW-D-4	Group Blocking	ON	D	81	Allowing Calls among Groups			
								D	82	Allowing Acess to Paging Zones			

	Registration or		CP DIP Switch				No.200 Programing		
Function	Operation at Each Station	No. Function		ON/OFF	Function Group	Function Code	Function		
					Α	52	Stations Allowd Access to All Call		
		-			Α .	53	Stations Allowed Acces to Conference		
Programmable			Stations Allowed Access to All Call.		A	56	Stations Allowed Access to One-shot Make Output		
Restricted Access	_	SW-D-1	Conference and General Purpose	ON	Α	57	Stations Allowed Access to Make/Break Output		
			Control		A	58	Stations Allowed Access to 8 Selectable (One-Shot Make) /Decimal Output		
					А	59	Station Allowed Access to 4 Decimal Digits Output		
Selection of Calling Tone	_	_	_	_	s	41	Selection of Calling Tone		
Selection of Paging Pre-announce Tone Duration	-		-	_	S	42	Selection of Paging Pre-announce Tone Duration		
Time-out of Conversation		_	_	_	s	45	Time-out of Conversation		
Time-out of Paging Call		_	_	_	s	46	Time-out of Paging Call		
In/Out Annunciation	_	SW-C-1	Selectable Numbering Schedules	OFF	_	_			
Destination indication		SW-C-1	Selectable Numbering Schedules	OFF		_	_		
Calling Party Indication (Lamp Type)		SW-E-4	Memory of Calling Party Indication (Lamp Type)	ON/OFF	С	72	Group of Calling Party Indication		
Pager		SW-D-6	Pager	ON	_		_		

7. FUNCTION CODE TABLE FOR STATION NO. 200 PROGRAMMING

A. Clearance at one time

Function Group	Function	Func- tion Code		Clearance of Function	Function Registration on All Stations	Clearance of Function	on by Function Group	
	Selection of Calling Tone	41	•41	Confirmation tone				
	Selection of Paging Pre-announcement Tone	42	• 4 2	2 Confirmation tone		Confir-		
S	Time-out of Conversation	45	• 4 5	Confirmation tone		mation tone	(Clears function group S)	
·	Time-out of Paging Call	46	•46	Confirmation tone		10 1111100		
	Executive Priority	50						
	Continuous Calling Tone	51						
	Station Allowed Access to All Call	52						
	Stations Allowed Access to Conference	53						
	Automatic Access to Paging	54		Confirmation	Confirmation tone	Confir-	(Clears function group A)	
A	Stations Allowed Access to One Shot Make Output	56	×:0~4 6~9	O O · · · · · O O Confirmation tone		555 mation tone		
	Stations Allowed Access to Make/ Brake Output	57	0 9	To time		10 200		
_	Stations Allowed Access to 8 Selectable/ Decimal Output Stations Allowed	58						
	Access to 4 Decimal Digits Output	59						
	Secretary Transfer	60				Confin	(Clears function group B)	
В	Master/Sub	61	6 X x:0,1,2	O O · · · · · O O Confirmation tone		Confirmation tone		
	Group Hunting	62		10 times		10 times		
	Paging Responce, Paging Priority	70	-			Confir-		
С	Group Blocking of Each Group	71	x:0,1,2	Confirmation tone		mation tone	(Clears function group C)	
	Group of Calling Party Indication	72	7.0,1,2	10 times		10 times		
	Combination Paging	80						
D	Group Blocking: Allowing Calls Among Groups	81	·BX	O O · · · · · · O O Confirmation tone		Confirmation tone	(Clears function group D)	
	Group Blocking: Allowing Access to Paging Zones	82	x:0,1,2	10 times		10 times		
E	Programable Station Numbering	90	.90	Confirmation tone		© Gonfirmation tone	(Clears function group E)	
*	Personal Number Single Digit Dialing Remote Response	_				Confirmation tone	(Clears functions of Personal No., Single Digit Dialing and Remote Response)	

Note: *Can be registered at each station.

FUNCTION CODE TABLE FOR STATION NO. 200 PROGRAMMING

B. Programming of System

Function Group	Function	Function Code	Remarks		Operating for Programming	Initially Programmed Mode
	Selection of Calling Tone	41	Two different calling tones, single note tone or trill note tone, are available in selection for the Hands-free system except the continuous calling tone.	•41	0: Without Calling Tone 1: Single Note Tone (0.2 sec.) 2: Trill note Tone (0.3 sec.)	Trill note Tone (0.3 sec.)
S	Selection of Paging Pre-announcement Tone Duration	42	You can select the length of time of paging pre-announcement tone.	•42	0: Without Paging Pre-announcement Tone. 1: Paging Pre-announcement Tone (1 sec.) 2: Paging Pre-announcement Tone (2 sec.)	Paging Pre-announce- ment Tone (2 sec.)
	Time-out of Conversation	43	Stations can be disconnected automatically from the speech path in the unit of Minute and the Hurry-up Signal Tone can be heard 10 seconds before the disconnection.	• 4 5	00: Without Time-out function 01~99: Length limited (minute)	Without Time-out
	Time-out of Paging Call	44	Stations can be disconnected automatically from the Paging circuit in the unit of Minute and the Hurry-up Signal Tone can be heard 10 seconds before the disconnection.	•46	00: Without Time-out function 01~99: Length limited (minute)	Without Time-out

FUNCTION CODE TABLE FOR STATION NO. 200 PROGRAMMING

C. Programming of each Function

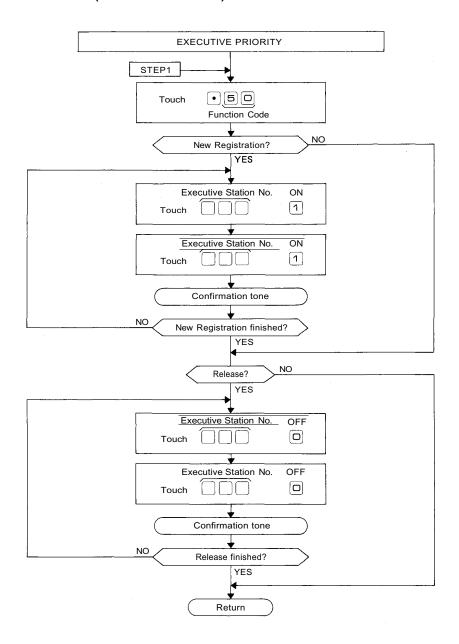
	ogramming or									
Func- tion Group	Function	Func- tion Code	1st Parameter	2nd Parameter	3rd Parameter	4th Parameter	OPERATING FOR PROGRAMMING			
	Executive Priority	50	Station No.	ON/OFF (1/0)	\					
	Continuous Calling Tone	51	Station No.	ON/OFF (1/0)	\ /					
	Station Allowed Access to All Call	52	Station No.	ON/OFF (1/0)	\					
1 1	Stations Allowed Access to Conference	53	Station No.	ON/OFF (1/0)						
	Automatic Access to Paging	54	Station No.	ON/OFF (1/0)	$ \cdot / \cdot $		Station No. 1/0 Station No. 1/0			
A	Stations Allowed Access to One Shot Make Output	56	Station No.	ON/OFF (1/0)						
	Stations Allowed Access to Make/ Break Output	57	Station No.	ON/OFF (1/0)			6~9 (1st) (2nd) Repeat Repeat			
	Stations Allowed Access to 8 Selectable (One Shot Make)/ Decimal Output	58	Station No.	ON/OFF (1/0)						
	Stations Allowed Access to 4 Decimal Digits Output	59	Station No.	ON/OFF (1/0)						
В	Secretary Transfer	60	Executive Station No.	Secretary Station No.	\setminus \nearrow		• 6 × Confirmation Confirmation			
	Master/Sub	61	Sub Station No.	Master Station No.	$\mid \times \mid$		x:0,1,2 Station No. Station No. (1st) (2nd) Repeat Repeat			
	Group Hunting	62	Main station No.	Transfered Station No.						
	Paging Zone	70	Zone No. (01~15)	The First Station No. of the Zone	The Last Station No. of the Zone		▼ Z X ,			
С	Group Blocking: Establishment of Each Group	71	Group No. (1~8)	The First Station No. of the Group	The Last Station No. of the Group					
	Group of Calling Party Indication	72	Group No. (1~8)	The First Station No. of the Group	The Last Station No. of the Group		Ropeat Repeat			
	Combination Paging	80	Combination Zone No. (90~99)	Zone No. (s) (01 ~	15) (Plural)		B X			
D	Group Blocking: Allowing Calls Among Groups	81	Calling Group No. (1~8)	Called Group No.(s (Plural)	s) (1~8)		Group No. of Calling Group Group No. (s) of Called Group Partes 1~8 Repeat Repeat			
	Group Blocking: Allowing Access to Paging Zones	82	Paging Zone No. of Paged Group (00~15, 90~99)	Paing Group No.(s (Plural)	s) (1~8)		● 图 ② , PTT			
E	Programable Station Numbering	90	Hardwired Station No. *2	Programmed Station No. *2			Confirmation			
			The First Hardwired Station No.	The Last Hardwired Station No.	The First Programmed Staion No.	The Last Programmed Station No.	PTT The Last			
	tion No la sussent C		and Chatina Na			-				

^{*1} Station No.'s except Programmed Station No.'s are Hardwired Station No.'s No.200~327/No.100~227/No.20~99/No.10-99.

^{*2} Programmed Station No.'s are No.200~999/No.100~999/No.20~99/No.10-99.

8. STATION NO. 200 PROGRAMMING FOR EACH FUNCTION

8-1 EXECUTIVE PRIORITY (FUNCTION CODE 50)



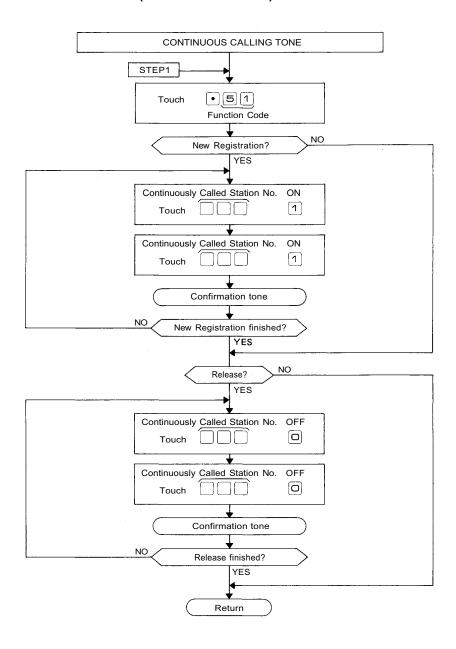
NOTES

- 1. To allow all the stations to have this function,

Be sure to depress the PTT keys steadily.

- 2. To release at one time the data programmed into all the stations for this function,
 - Touch 50000....0 (Confirmation tone will be heard.)
- Re-start at Step 1 when mis-dialing occures. (All other registrations remain valid.)
- 4. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 5. CP DIP switch B-3 must be "ON" to employ this function.

8-2 CONTINUOUS CALLING TONE (FUNCTION CODE 51)



NOTES

1. To allow all the stations to have this function,

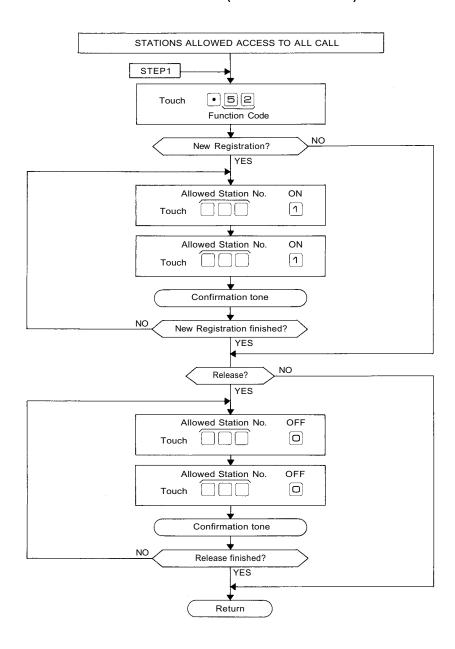
Touch • 5 1 PTT PTT ... PTT (Confirmation tone will be heard.)

Be sure to depress the PTT keys steadily.



- Re-start at Step 1 when mis-dialing occures.
 (All other registrations remain valid.)
- 4. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 5. CP DIP switch E-6 must be "ON" to employ this function.

8-3 STATIONS ALLOWED ACCESS TO ALL CALL (FUNCTION CODE 52)



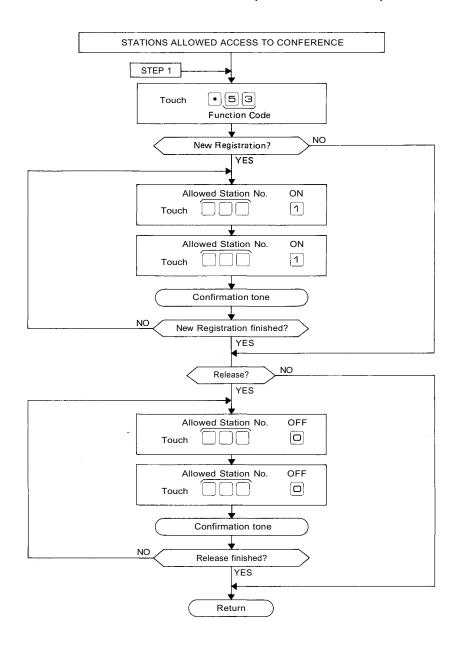
NOTES

- 1. To allow all the stations to have this function,
 - Touch \bullet 5 2 $\underbrace{\text{PTT} \cdot \text{PTT} \cdots \text{PTT}}_{\text{10 times}}$ (Confirmation tone will be heard.)

Be sure to depress the $\begin{tabular}{c} \begin{tabular}{c} \begin{$

- 2. To release at one time the data programmed into all the stations for this function,
 - Touch 5200.... (Confirmation tone will be heard.)
- Re-start at Step 1 when mis-dialing occures. (All other registrations remain valid.)
- 4. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 5. Programming is necessary only if CP DIP switch D-1 is "ON".

8-4 STATIONS ALLOWED ACCESS TO CONFERENCE (FUNCTION CODE 53)



NOTES

1. To allow all the stations to have this function,

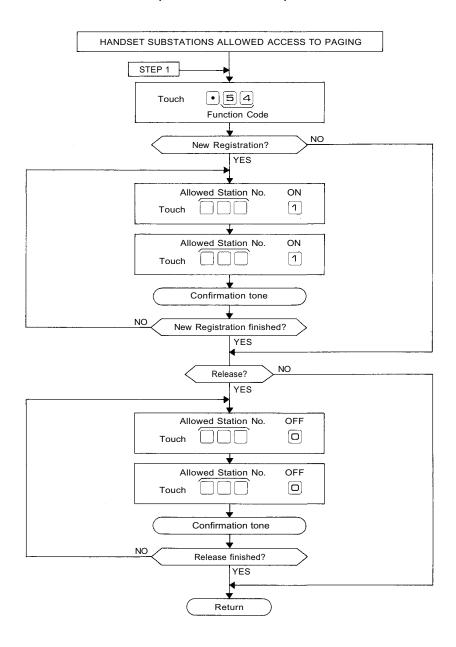
Touch • 5 3 PTT PTT ... PTT will be heard.)

Be sure to depress the $\begin{tabular}{c} \begin{tabular}{c} \begin{$



- 3. Re-start at Step 1 when mis-dialing occures. (All other registrations remain valid.)
- 4. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- Programming is necessary only if CP DIP switch D-1 is "ON".
 Switch B-1 must be "ON" to employ this function.

8-5 AUTOMATIC ACCESS TO PAGING (FUNCTION CODE 54)



NOTES

- 1. To allow all the stations to have this function,
 - Touch 5 4 PTT PTT ... PTT (Confirmation tone will be heard.)

Be sure to depress the PTT keys steadily.



- 3. Re-start at Step 1 when mis-dialing occures. (All other registrations remain valid.)
- Station No. should be 2 digits in length when 2 Digit Dialing function is employed.

COMPLEMENTARY NOTES

- (1) Automatic Access to Paging
 - This function facilitates Paging / Paging response from a Substation TL-600S. Just picking up the Handset of Substation automatically activates Paging or Paging Response mode.
- Required Programming for Automatic Access to Paging from Handset Substation.
- 2-1) First, connect a Master Station HF-600M or TL-600M in place of a Substation TL-600S.
- 2-2) Program at that station a necessary function for Single Digit Dialing such as Paging, Paging Response, Personal Number Call or etc.
- 2-3) Then, replace the Master Station with a Substation TL-600S.
- 2-4) Program "Automatic Access to Paging from Handset Substation (Function Code 54)" at the Station No. 200 according to the programming instructions.

(3) Single Digit Dialing and Automatic Access to Paging

By programming "Single Digit Dialing" at any master station, a single touch of the dial

activates "Station Call", "Personal Number Call", "Paging" or "Paging Response" mode. But in using a TL-600S and a HF-600S, "Automatic Access to Paging from Handset Substation" function cannot be adopted only by programming "Single Digit Dialing" at the station. It also reqires the programming for Function Code 54 at No. 200 Station

(4) A call to Master Station from Handset or Hands-free/ Handset Substation

"Master/Sub Relationship (Function Code 61)" can be programmed into Handset Substation TL-600S or Hands-free/ Handset Substation HF-600S etc., where you can call the relative Master Station by a single touch of the dial \Box , or by picking up the Handset.

In activating a mode with Hands-free/Handset Substation HF-600S by picking up the Handset, "Privacy" switch on the Station is to be "ON" position.

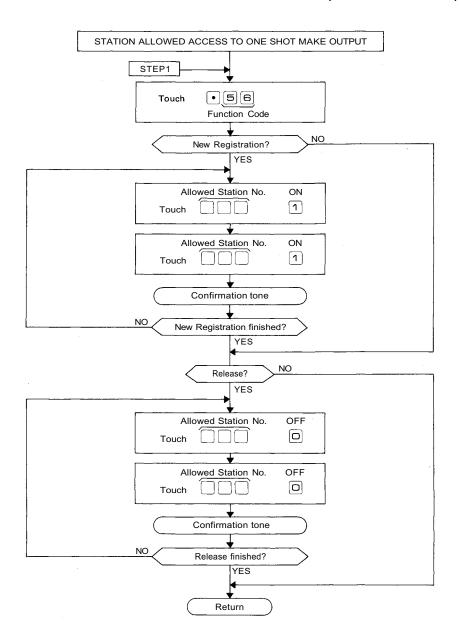
		Call to Ma	ster Station	Paging Call, Paging Response or Personal Number Call		
Function	Necessary	By dialing O	By picking up Handset	By dialing O	By picking up Handset	
i dictori	Programming	at HF-620S or HF-600S	at TL-600S or HF-600S (Privacy SW. ON)	at HF-620S or HF-600S	at TL-600S or HF-600S (Privacy SW. ON)	
Single Digit Dialing	Single Digit Registration at Station	(0)	×	0	×	
Master/sub Relationship	Programming at Station No. 200 (Function Code 61)	0	0	×	×	
Automatic Acess to Paging Paging (or Calling) from Handset Substation	Single Digit Registration at Station Programming at Station No.200 (Function Code 54)	(O)	(0)	0	0	

Note. O : Possible

X : Impossible

(O): Possible but usually Not to be used

8-6 STATIONS ALLOWED ACCESS TO ONE-SHOT MAKE OUTPUT (FUNCTION CODE 56)



NOTES

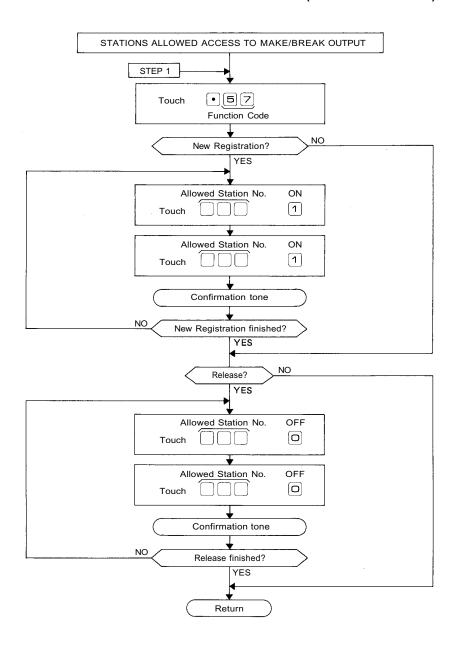
1. To allow all the stations to have this function,

Be sure to depress the PTT keys steadily.



- 3. Re-start at Step 1 when mis-dialing occures. (All other registrations remain valid.)
- 4. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 5. Programming is necessary only if CP DIP switch D-1 is "ON".

8-7 STATIONS ALLOWED ACCESS TO MAKE/BREAK OUTPUT (FUNCTION CODE 57)



NOTES

1. To allow all the stations to have this function,

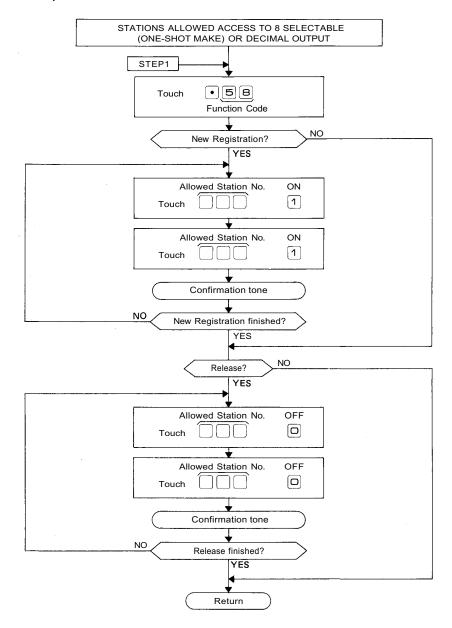
Touch • 5 7 PTT PTT ... PTT (Confirmation tone will be heard.)

Be sure to depress the $\begin{tabular}{c} \begin{tabular}{c} \begin{$



- 3. Re-start at Step 1 when mis-dialing occures. {All other registrations remain valid.)
- 4. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 5. Programming is necessary only if CP DIP switch D-1 is "ON".

8-8 STATIONS ALLOWED ACCESS TO 8 SELECTABLE (ONE-SHOT MAKE) OR DECIMAL OUTPUT (FUNCTION CODE 58)



NOTES

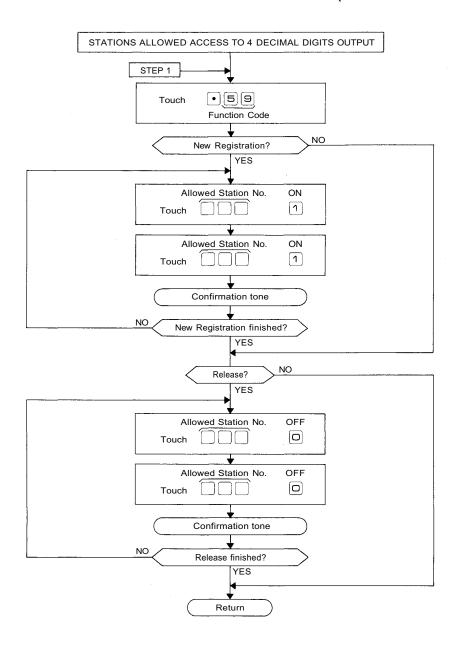
- 1. To allow all the stations to have this function,

Be sure to depress the PTT keys steadily.



- Re-start at Step 1 when mis-dialing occures. (All other registrations remain valid.)
- 4. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 5. Programming is necessary only if CP DIP switch D-1 is "ON".

8-9 STATIONS ALLOWED ACCESS TO 4 DECIMAL DIGITS OUTPUT (FUNCTION CODE 59)



NOTES

1. To allow all the stations to have this function,

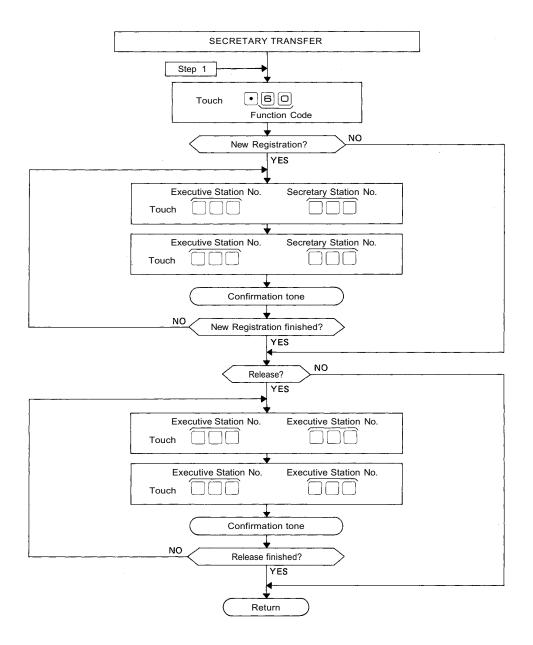
Touch 59 PTT PTT ... PTT (Confirmation tone will be heard.)

Be sure to depress the PTT keys steadily.



- Re-start at Step 1 when mis-dialing occures. (All other registrations remain valid.)
- Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 5. Programming is necessary only if CP DIP switch D-1 is "ON".

8-10 SECRETARY TRANSFER (FUNCTION CODE 60)



NOTES

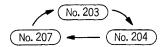
1. To release at one time the data programmed into all the stations for this function,

Touch

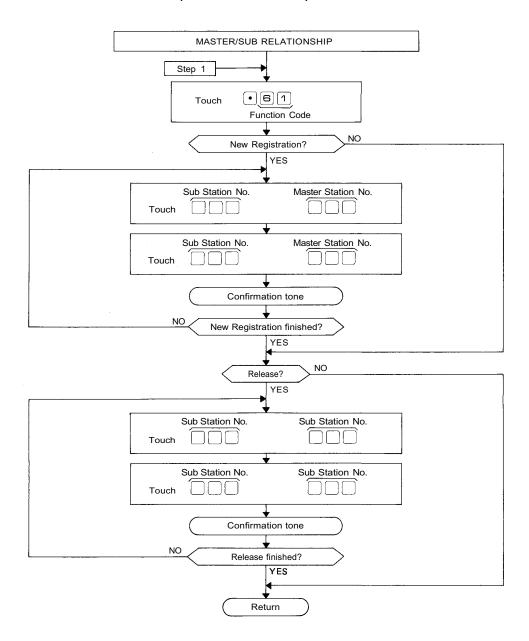
(Confirmation tone will be heard.)

Re-start at Step 1 when mis-dialing occurs.
 (All other registrations remain valid.)

- 3. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 4. Switch B-5 must be "ON" to employ this function.
- Programming of Secretary Transfer can be made in a daisy chain method. For their examples, refer to the following sketch.



8-11 MASTER/SUB RELATIONSHIP (FUNCTION CODE 61)

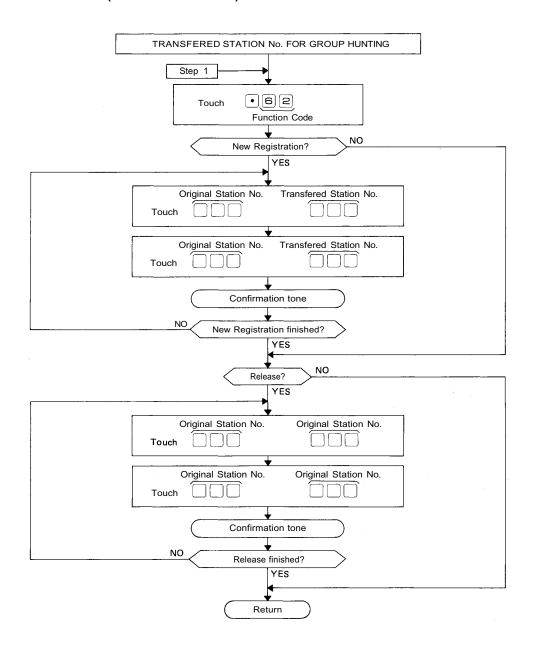


NOTES

- To release at one time the data programmed into all the stations for this function,
 - Touch

 (Confirmation tone will be heard.)
- Re-start at Step 1 when mis-dialing occurs. (All other registrations remain valid.)

3. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.



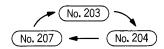
NOTES

1. To release at one time the data programmed into all the stations for this function,

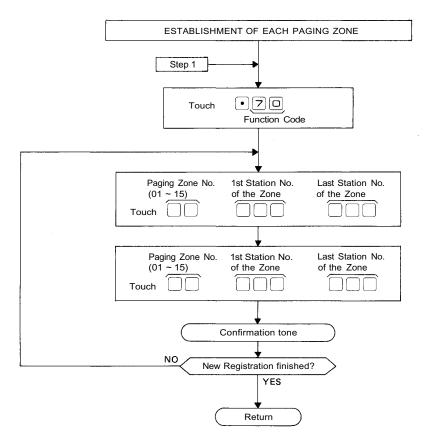
Touch • 6 2 0 0 0 (Confirmation tone will be heard.)

2. Re-start at Step 1 when mis-dialing occurs. (All other registrations remain valid.)

- 3. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 4. Switch B-5 must be "ON" to employ this function.
- 5. Programming of Group Hunting can be made in a daisy chain method. For their examples, refer to the following sketch.



8-13 PAGING ZONE (FUNCTION CODE 70)



NOTES

Touch	•70000	(Confirmation tone
	10 times	will be neard.)
	IU times	

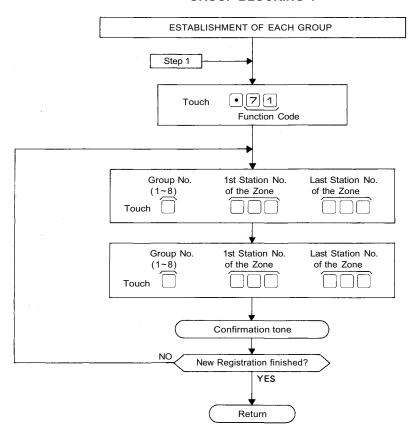
- Re-start at Step 1 when mis-dialing occurs. (All other registrations remain valid.)
- 3. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 4. Switch B-4 must be "ON" to employ this function.
- 2-Digit dialing is necessary even in the case of Zone No. 1 to No. 7.

Ξx.	Zone	No.2			2	
-----	------	------	--	--	---	--

- 6. In the case "Paging Response Without Zone Number" mode ((□ (□)(□)(□)) is selected by the DIP Switch SW-E-2, this registration is essential.
- In the case "Paging Priority" function is adopted by the DIP Switch SW-C-3, this registration should be made for each Paging Zone of No. 01 to No. 07.

8-14 GROUP BLOCKING 1: ESTABLISHMENT OF EACH GROUP (FUNCTION CODE 71)

GROUP BLOCKING 1

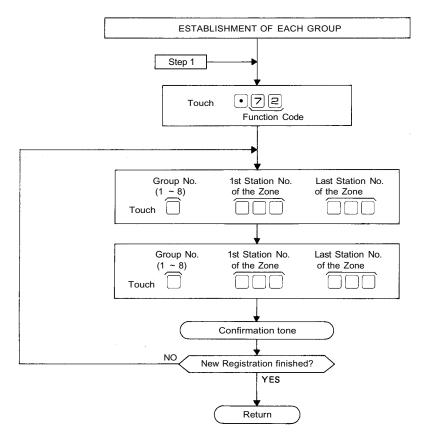


NOTES

- 1. To release at one time the data programmed into all the groups for this function,
 - Touch $\boxed{}$ $\boxed{}$ $\boxed{}$ $\boxed{}$ $\boxed{}$ $\boxed{}$ (Confirmation tone will be heard.)
- 2. Re-start at Step 1 when mis-dialing occurs. (All other registrations remain valid.)

- Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- 4. CP DIP switch D-4 must be "ON" to employ this function.

8-15 CALLING PARTY INDICATION (LAMP TYPE) (FUNCTION CODE 72)

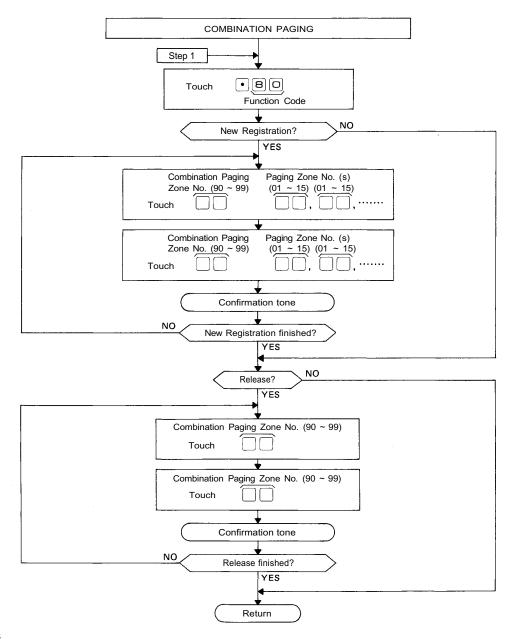


NOTES

- 1. To release at one time the data programmed into all the groups for this function,
 - Touch 7200.... (Confirmation tone will be heard.)
- 2. Re-start at Step 1 when mis-dialing occurs. (All other registrations remain valid.)

- 3. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.
- When the Indication Panel belongs to only one (1) station, you should write the station number in both "First Station No." and "Last Station No." columns.

8-16 COMBINATION PAGING (FUNCTION CODE 80)



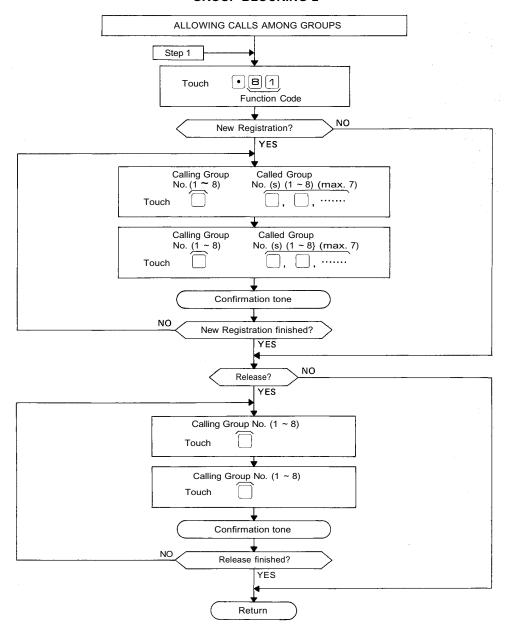
NOTES

- To release at one time the data programmed into all the Zones for this function,
- Re-start at Step 1 when mis-dialing occurs. (All other registrations remain valid.)

3. CP DIP switch B-4 and C-4 must be "ON" to employ this function.

8-17 GROUP BLOCKING 2: ALLOWING CALLS AMONG GROUPS (FUNCTION CODE 81)

GROUP BLOCKING 2



NOTES

1. To release at one time the data programmed into all the groups for this function,

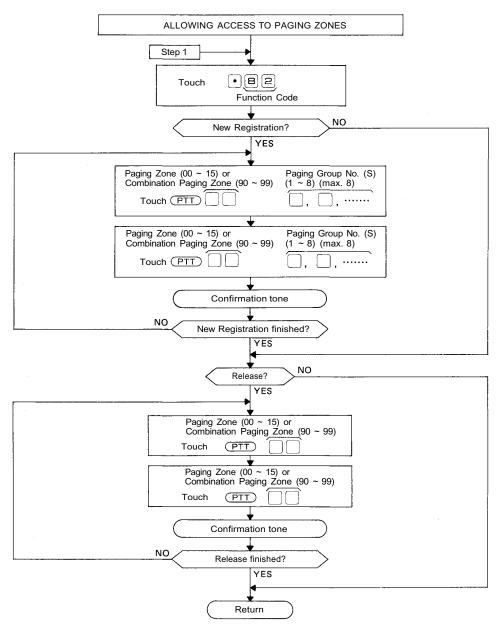


2. Re-start at Step 1 when mis-dialing occurs (All other registrations remain valid.)

- 3. Do not register a Group to call itself.
- 4. CP DIP switch D-4 must be "ON" to employ this function.

8-18 GROUP BLOCKING 3: ALLOWING GROUP ACCESS TO PAGING (FUNCTION CODE 82)

GROUP BLOCKING 3



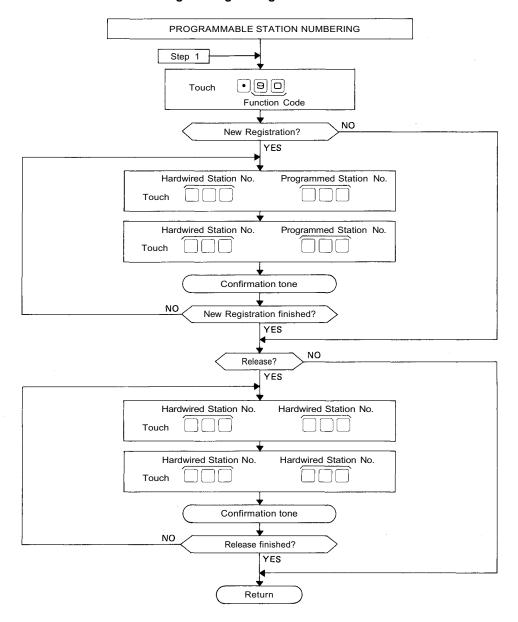
1. To release at one time the data programmed into all the groups for this function,

NOTES

- 2. Re-start at Step 1 when mis-dialing occurs (All other registrations remain valid.)
- 3. CP DIP switch D-4 must be "ON" to employ this function.

8-19 PROGRAMMABLE STATION NUMBERING (FUNCTION CODE 90)

A. Programming of Single Station Number



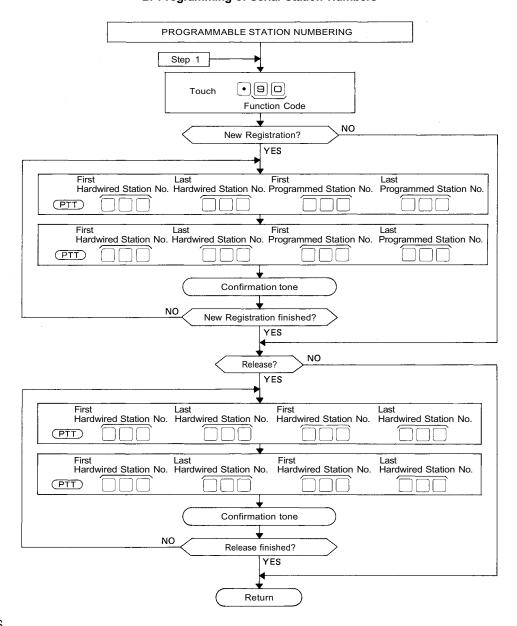
NOTES

- - Touch 9 0 0 0 0 (Confirmation tone will be heard.)
- Re-start at Step 1 when mis-dialing occurs. (All other registrations remain valid.)

- 3. Any one Programmed Station No. cannot be assigned to more than one Hardwired Station.
- 4. CP DIP switch D-5 must be "ON" to employ this function.

PROGRAMMABLE STATION NUMBERING (FUNCTION CODE 90)

B. Programming of Serial Station Numbers



NOTES

- 1. To release all registered Programmed Station No.'s at one time,
 - Touch

 O

 O

 O

 O

 O

 O

 O

 Will be heard.)
- Re-start at Step 1 when mis-dialing occurs. (All other registrations remain valid.)

- 3. Any one Programmed Station No. cannot be assigned to more than one Hardwired Station.
- 4. CP DIP switch D-5 must be "ON" to employ this function.

9. PROGRAMMING DATA TABLE

< PROGRAMMING DATA TABLE 1 >

Function Table for the System

Function Group	Function	Function Code	Registered Deta	Note of Registration	Initial Programming
	Selection of Calling Tone	41		0: Without Calling Tone 1: Single note tone (0.2 sec.) 2: Trill note tone (0.3 sec.)	2: Trill note Tone (0.3 sec.)
S	Selection of Paging Pre-announcement Tone	42		O: Without Paging Pre-announcement Tone 1: Paging Pre-announcement Tone (1 sec.) 2: Paging Pre-announcement Tone (2 sec.)	2: Paging Pre-announcement Tone (2 sec.)
	Time-out of conversation	45		00: Without Time-out function 01~99: Length limited (min.)	00: Without Time-out
	Time-out of Paging call	46		00: Without Time-out function 01~99: Length limited (min.)	00: Without Time-out

		6							5								4							<	(3)							2							<u> </u>		Name						
242(62)	241(61)	240(60)	239(59)	237(57)	236(56)	235(55)	234(54)	233(53)	232(52)	231(51)	230(50)	229(49)	228(48)	227(47)	226(46)	225(45)	224(44)	223(43)	222(42)	221(41)	220(40)	219(39)	218(38)	217(37)	216(36)	215(35)	214(34)	213(33)	211(31)	210(30)	209(29)	208(28)	207(27)	206(26)	205(25)	203(23)	202(22)	201(21)	200(20)		oration N	Hardwired	Function Code		Function	Function Group))
142(52)	141(51)	140(50)	139(49)	137(47)	136(46)	135(45)	134(44)	133(43)	132(42)	131(41)	130(40)	129(39)	128(38)	127(37)	126(36)	125(35)	124(34)	123(33)	122(32)	121(31)	120(30)	119(29)	118(28)	117(27)	116(26)	115(25)	114(24)	113(23)	112(22)	110(20)	109(19)	108(18)	107(17)	106(16)	105(15)	104(14)	102(12)	101(11)	100(10)						tion		
				-													-				-	_				4	_	+		\vdash				-		-		-		50 5	Executi						
	_		-								-			+			<u> </u>		_			-		+	-		+	+	-	-				+	+	+	+	+		51 52	Continu Station	s Allov				-	
														+			+			ļ	+	1	\dashv		+	+	+	-	-	-				+				+-	-	53	to All C Station to Conf	s Allov	wed A	ccess		1	
													+							_	+						_											1		54	Automa			to Pagi	ng		
																										T									\top					56	Station to One	s Allov Shot C	wed Ad Output	ccess			
																																								57	Station to Make	s Allov e/Breal	wed Ad k Outp	ccess			S.
														\perp																										58	Station Select (or Dec	cimal)	Output	t		Station No. *1
																	_							_	\downarrow		1												L	59	Station Decima	s Allov al Digit	wed A ts Out	ccess t	to 4		°*1
																																								60	Secreta Station	ary No. *	1				Sta
																																								61	Master Station	No. *	1			В	Station No. *1
																																								62	Transfe Station	red No. fo	or Grou	ıp Hun	ting *1		
															T																								T	70	Paging	Zone	No.				Station No. *2
																																								71	Group I	No. for	Group	p Block	king	0	ı. *2
																																								72	Group I Calling	No. for Party	Indica	ation			Stat
																																								90	Prograi	mmed	Statio	n No.		Ħ	Station No. *2

<PROGRAMMING DATA TABLE 3>

Function Table for Stations (2)

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		!																																										Name		/,	//		1
285	284	283	282	281	280	279(99)	278(98)	277(97)	276(96)	2/5(95)	274(94)	273(93)	272(92)	271(91)	270(90)	209(89)	268(88)	000(00)	267(87)	266(86)	265(85)	264(84)	263(83)	262(82)	261(81)	260(80)	259(79)	258(78)	257(77)	256(76)	255(75)	254(74)	253(73)	252(72)	251(71)	250(70)	249(69)	049(68)	240(60)	245(65)	244(64)	243(63)	Personal No.	With	Hardwired Station No	: (Function Code	Function	
185(95)	184(94)	183(93)	182(92)	181(91)	180(90)	179(89)	178(88)	177(87)	176(86)	175(85)	174(84)	174(83)	172(82)	171(81)	170(80)	109(79)	168(78)	100(70)	167(77)	166(76)	165(75)	164(74)	163(73)	162(72)	161(71)	160(70)	159(69)	158(68)	157(67)	156(66)	155(65)	154(64)	153(63)	152(62)	151(61)	150(60)	149(59)	149(59)	140(30)	145(55)	144(54)	143(53)	Personal No.	Without	No.		ode	ction	
						L			L																																		50	Exe	cutive P	riorit	ty		
		_	\perp	_	_									_							_																						51	Cor	ntinuous	Calli	ing Tor	ne	
		_	_	_	1									\downarrow	_	1	_									_		L	-								_	1		ļ	_		52	to A	tions All				
		1	1		-	_	_		L	-	1			\perp						\perp	_							_	_								\perp			-	1	_	53	Sta to C	tions All Conferen	owed	d Acces	SS	
				_										\perp					1																		_		_	┸			54	1	omatic A				
										_																			_														56	Sta to C	tions All one Shot	owed t Out	d Acces	ss	
																																											57	Sta to N	tions All //ake/Bre	owed	d Acces Output	ss	
																							:																				58	Sta Sel	tions All ect (or D	owed ecim	d Acces nal) Out	ss to 1/8 put	1
																																											59	Sta	tions All cimal Dig	owed	d Acce: Output	ss to 4	
																																											60	Sec	retary tion No.	*1			
																																				, ,							61	Ma: Sta	ster tion No.	. *1			
																																											62	Trar Stat	nsfered tion No.	for G	Froup H	lunting	*1
																																											70	Pag	jing Zone	e No.			
																		T																									71	Gro	up No. f	or G	roup Bl	ocking	
																																											72	Gro	up No. f ling Par	or ty In	dicatio	1	
																				1	1																		7		T		90	Pro	gramme	ed St	ation N	lo.	7

					12	<						13	<							\				20)	EX-6	→ ([5]	<				1111	ng c	Pagi	FOI	_				
Fu		Name																															7						
Function Group	A Z A	Station No.	Personal No.	286	200	2000	2000	291	292	293	294	200	297	298	299	300	301	302	303	304	306	307	308	309	310	311	313	314	315	316	318	319	320	321	322	323	395	326	327
d d	Function fon Code dwired fon No.	No. Without Personal No.		186(96)	100(00)	188(98)	100(99)	191	192	193	194	106	197	198	199	200	201	202	203	204	205	207	208	209	210	211	213	214	215	216	218	219	220	221	222	223	2995	226	227
	ecutive Priority	\leftarrow	50		†			\top									_	T	1				\neg					\exists											+
	ntinuous Calling Tone	Continuous	51																																				
	tions Allowed Access	Stations Al to All Call	52																																				
	tions Allowed Access Conference	Stations Al to Confere	53																\perp																				
>	omatic Access to Paging	Automatic	54															_																					
	tions Allowed Access One Shot Output	රා to One Sho	56										\perp			L.		_	\perp		_														_				
٥	tions Allowed Access Make/Break Output		57																																				
Station No.	tions Allowed Access to 1/8 ect (or Decimal) Output		58					_				\perp				L.																							
	tions Allowed Access to 4 cimal Digits Output	Stations Al Decimal Di	59										\perp			_		1	L																1				
012	cretary tion No. *1	Secretary Station No	60																																				
B	ster tion No. *1	Master Station No	61					_											1																				
	nsfered tion No. for Group Hunting *1	Transfered Station No.	62																																				
Station No.	ging Zone No.	7 Paging Zor	70																																				
0 6	up No. for Group Blocking	Group No.	71		İ																																		
o a	oup No. for ling Party Indication	Group No. Calling Pa	72																			\top	\top							T									
E Station No.	grammed Station No.		90		1							\top					T	\top	\top		\top	\top	\top				+			1	\top	\top					\top	\top	\top

<PROGRAMMING DATA TABLE 5>

Paging Priority and/or Paging Response Table

ging Pr	iority and/or Paging F	Response Tabl	e • 70, 500	ne No. The 1st The Last Station No. Station No.		
	Station Paging Z	one	First Station No.	Last Station No.]	
	Department	No.	FIISt Station No.	Last Station No.	1.	
		01			1)]
		02] jai	
		03			J lig	
		04			ing ing	
70		05			For Paging Priority	nse
ode		06				Response
ğ		07]]"	
Function Code 70		08			1	For Paging
Ë		09]	Pa
		10			1	For
Ī		11			1	
		12]	-
		13				
		14				
		15]	

Combination	Paging	Table
-------------	--------	-------

Co	mbinat	ion Paging Table			•	80		bination e No.90	~99	Zo 01-	one No. () (s)		<u>U</u>				
		Selected Paging Zone Combination Paging Zone	Department															
	8	Department	No.	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
	de 8		90															
	Function Code		91															
	ijon		92															
١	ng Tu		93															
	屲		94															
1			95															
			96															
١			97															
			98															
-			00															

Station Numbers Table for Calling Party Indication (Lamp Type)

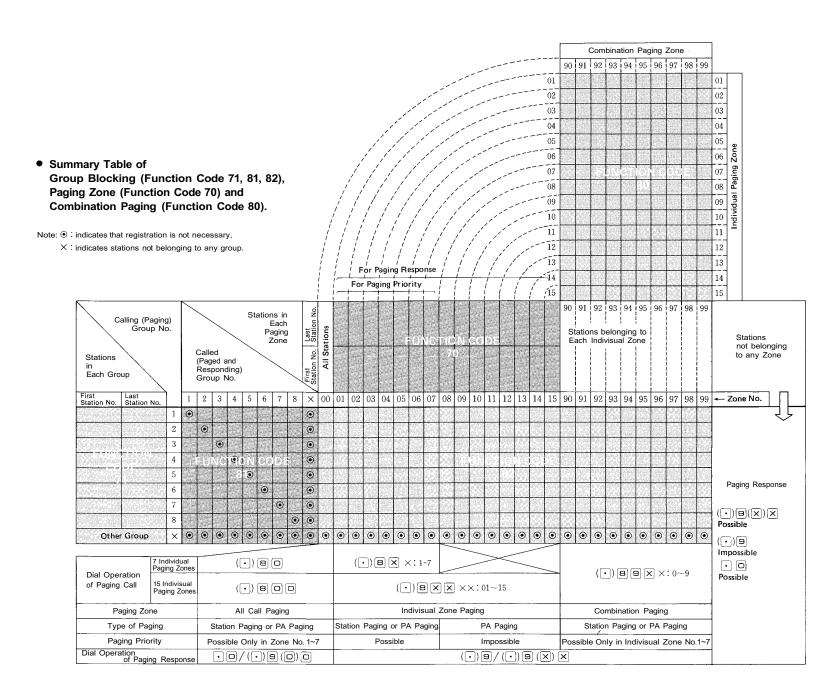
	Calling Party Ind	ication	First Station No.	Last Station No.
	Name	Group No.	First Station No.	Last Station No.
7		1		
Code 72		2		
Ö		3		
io		4		
Function		5		
叿		6		
		7		
		8 -		

Note. When the indication panel belongs to only one (1) station, you should write the station number in both "First Station No." and "Last Station No." columns.

<PROGRAMMING DATA TABLE 6>

Tables for Group Blocking (3 Tables) ① Group Blocking for each Group Group No. First Station No. Last Station No. 1 Function Code 71 2 3 4 5 6 7 8 Group No of Calling Parties 1~8 ·B1, ② Group Blocking among Groups Called Group No. Others 6 8 • 1 ◉ Function Code 81 2 • • Calling \odot 3 ◉ Group No. • 4 \odot • • 5 6 • • 7 • • 8 ◉ \odot • • \odot \odot \odot • • Others Paging Zone No. 00~15, 90~99 •B2, @ □ □, ③ Group Blocking for Paging Groups Paging Zone Paging Group No. Others Department 2 7 8 No. 1 All call • 00 01 • 02 • 03 • 04 \odot Individual Paging Zones 05 • 06 • 07 • 08 • Function Code 82 09 • 10 • 11 • 12 • 13 14 \odot 15 • 90 • Combination Paging Zones 91 • 92 \odot 93 • 94 • • 95 96 • • 98 \odot 99 \odot

No need to register.

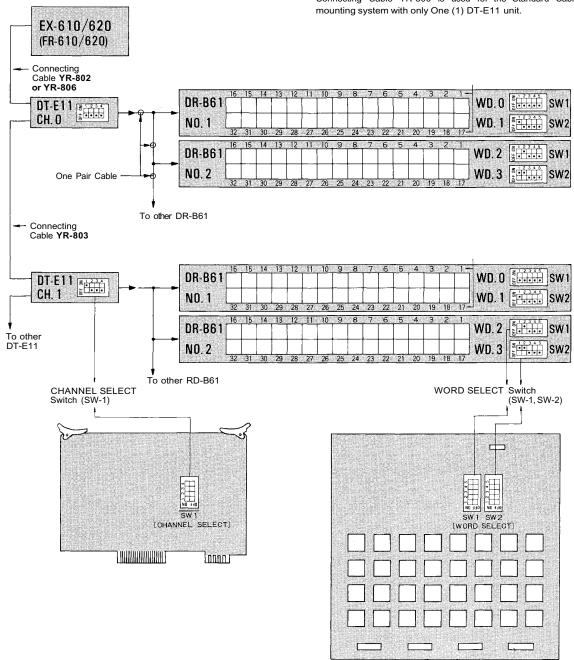


PART 2. FUNCTION SELECTION FOR DATA TRANSMITTING AND RECEIVING UNITS

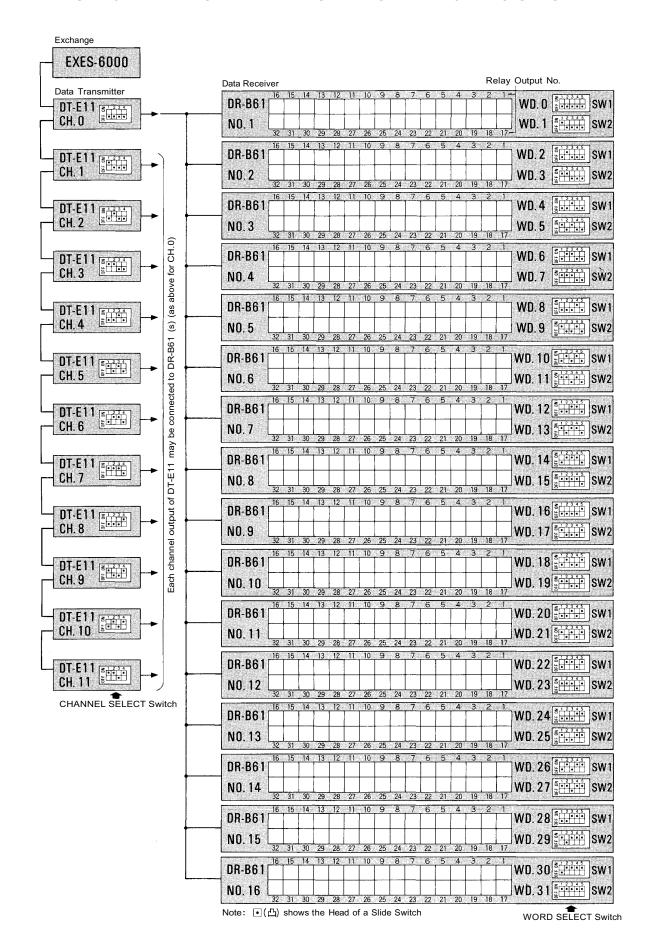
10. SETTING OF CHANNEL SELECT SWITCH OF TRANSMITTING UNIT (DT-E11) AND WORD SELECT SWITCH OF RECEIVING UNIT (DR-B61)

NOTE

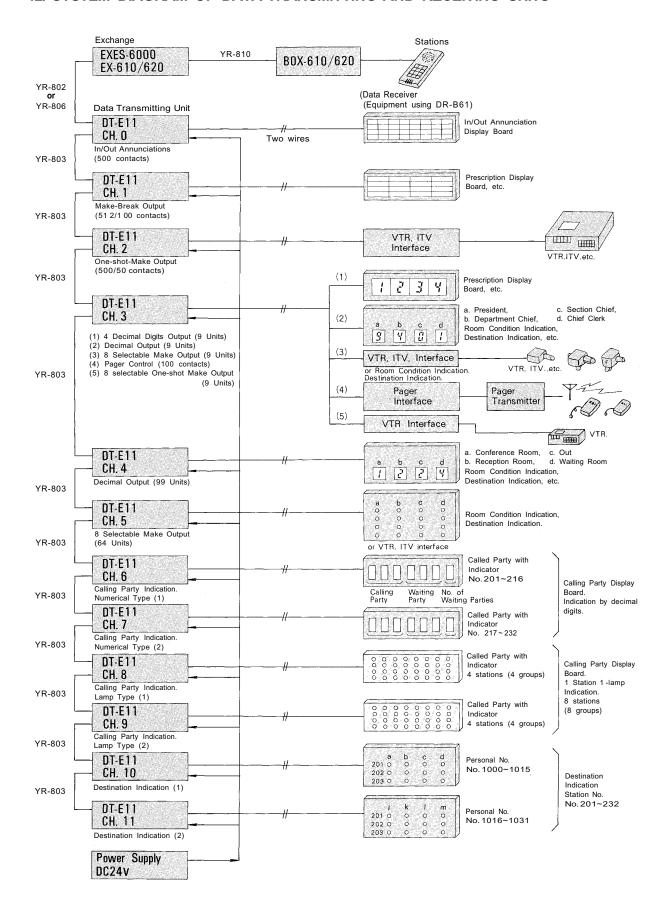
- Connect the DT-E11 and DR-B61 to Exchange correctly. (Refer to operation manuals of DT-E11 and DR-B61).
- Set the function select switches (DIP SWITCH) on CP-62 correctly and be sure to enter initial programming and function registration at programming station No.200.
- Remove the front panel of Data Transmitting Unit (DT-E11) and take out the printed circuit board. Then set the channel select switches located on the printed circuit board, according to the
- necessary functions such as IN/OUT Annunciation, Calling Party Indication etc,and replace in the Unit.
- (Refer to 13. Explanation of Data Transmitting Unit Output Channels, Page 50).
- 4. The DT-E11 sends out 512 bit data (16 bit x 32 words) to control relays on Data Receiving Unit (DR-B61). Therefore set the two word select switches on DR-B61, according to necessary output mode. SW-1 is for Relay No.1 to No.16 and SW-2 is for Relay No.17 to No.32. See Page 51 fordatails. (Refer to Explanation of Date Receiving Unit Output Channels.)
- Connecting Cable YR-802 is used for the Rack mounting system.
 Connecting Cable YR-806 is used for the Standard Cabinet



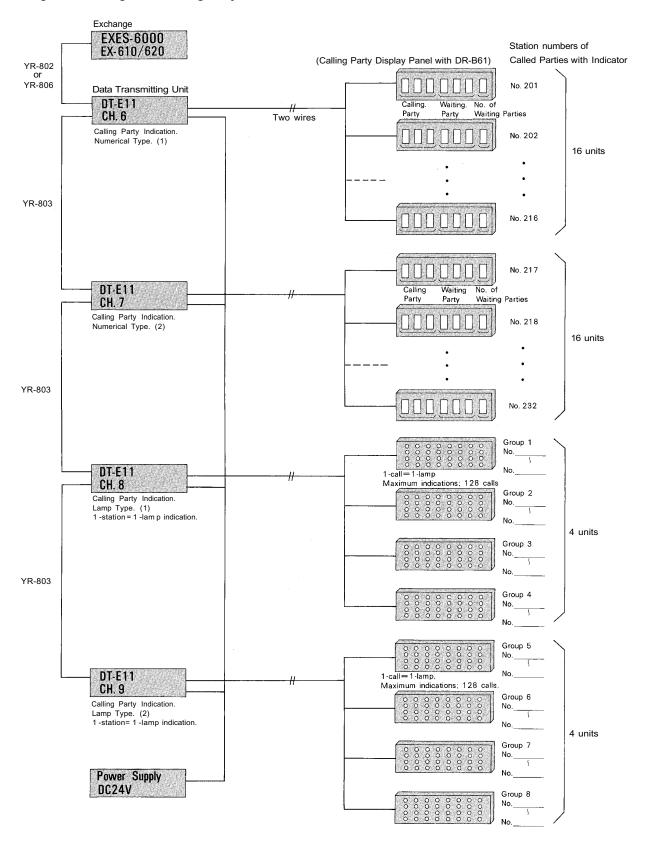
11. DIP SWITCH TABLE FOR DATA TRANSMITTING AND RECEIVING UNITS



12. SYSTEM DIAGRAM OF DATA TRANSMITTING AND RECEIVING UNITS



Enlarged Block Diagram of Calling Party Indication

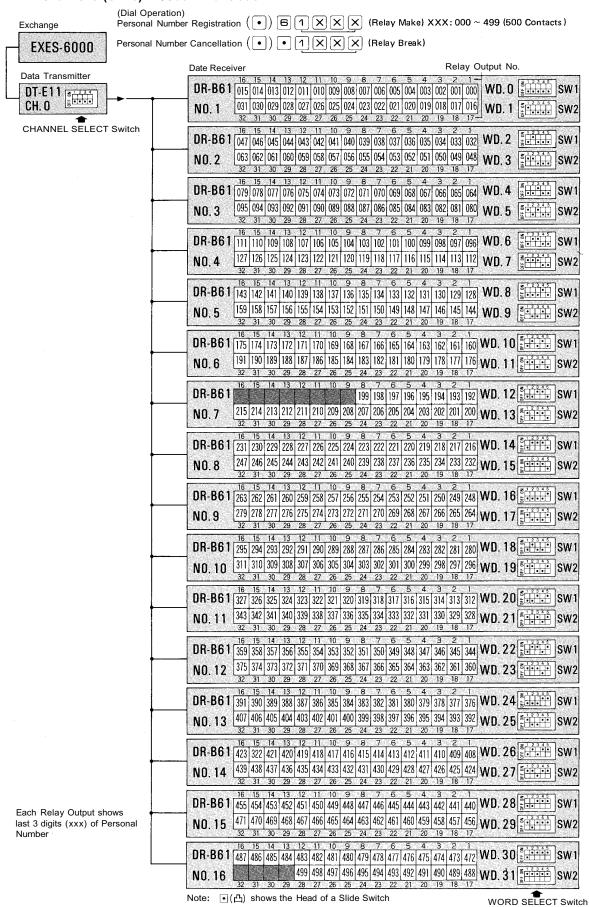


13. EXPLANATION OF DATA TRANSMITTING UNIT OUTPUT CHANNELS

CHANNEL SELECTION	FUNCTIONS	DESCRIPTION	APPLICATION
DT-E11 STAA CH. O	IN/OUT Annunciation (500 persons)	Personal in and out registration can be accomplished at any Master station by using personal numbers Max. 500 IN/OUT annunciations may be done.	IN/OUT Annunciation
DT-E11 STAR	Make/Break Output (512/100 contacts)	Make/Break contacts can be available at any Master station.	Door Remote IN/OUT Annunciation
DT-E11	One-shot Make Output (500/50 contacts)	One-shot make contacts can be available at any Master station.	ITV camera select VTR control
	(1) 4 Decimal digits output (9 units)	Indicate by 7 segments LEDs.	Prescription annunciation
	(2) Decimal Output (9 units)	10 Selectable Decimal Outputs are available with 7 segments LEDs.	Room condition indication
DT-E11 (1973) CH. 3 (1973)	(3) 8 Selectable Make Output. (9 units)	One contact out of 8 selectable make outputs is obtained. "Clear" operation makes all 8 relays break.	Destination indication
	(4) Pager Control Output (100 pagers)	Make output (100 contacts) is available for pager control.	• Pager
	(5) 8 Selectable One-shot Make Output (9 unit)	One contact out of 8 selectable make outputs is obtained for about 1 or 2 seconds.	VTR control
DT-E11 CH. 4	Decimal Output (99 units)	10 Selectable Decimal Outputs are available with 7 segments LEDs.	Room condition indication Destination indication
DT-E11 Etipis	8 selectable make Output (64 units)	One contact out of 8 selectable make outputs is obtained. "Clear" operation makes all 8 relays break.	Room condition indication Destination indication
DT-E11 CH. 6	Calling Party Indication Numerical-type (1)	When a station with a Display Board is called, calling party number is	• The number of called stations are No.201~No.216.
DT-E11 CH. 7	Calling Party Indication Numerical-type (2)	indicated until the conversation is over and also when the called station is busy or in privary.	The number of called stations are No.217~No.232.
DT-E11 ETT CH. 8	Calling Party Indication (One Station; One Lamp)	Max. 128 Calling station numbers can be indicated when designated called station with Display Board is called.	The group number of called station(s). No.1~4
DT-E11	Calling Party Indication (One Station; One Lamp)	The numbers of called stations having an indication panel can be program- med at No.200 station.	The group number of called station(s). No.5-8
DT-E11 CH. 10	Destination Indication (1)	When a person makes his own Personal Number Programming at the station, the station number at which	• Personal number No.1000~ 1015
DT-E11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (Destination Indication (2)	the registration was made can be indicated by the lamp.	Personal number No.1016~1032

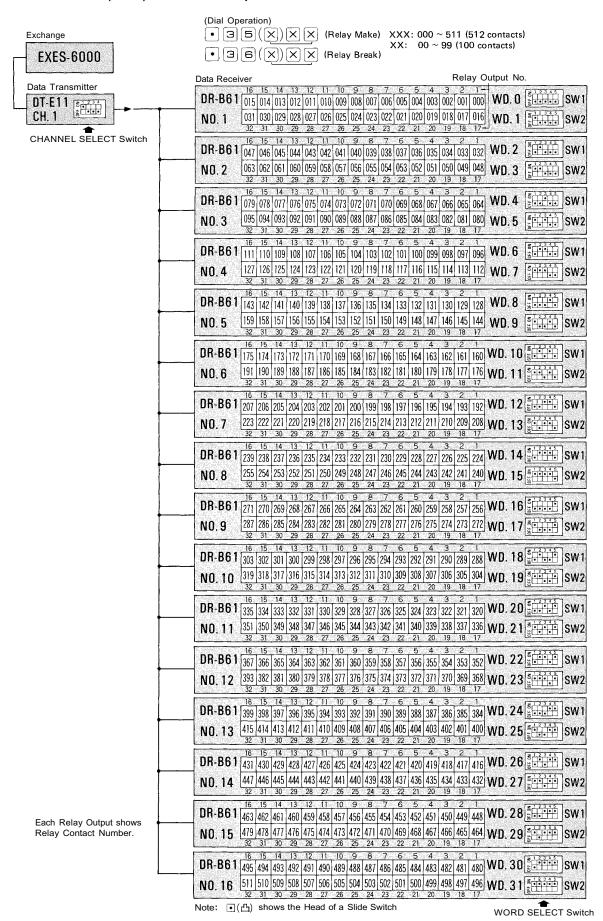
14. EXPLANATION OF DATA RECEIVING UNIT OUTPUT CHANNELS

14-1 Channel 0 (CH. 0) In/Out Annunciation



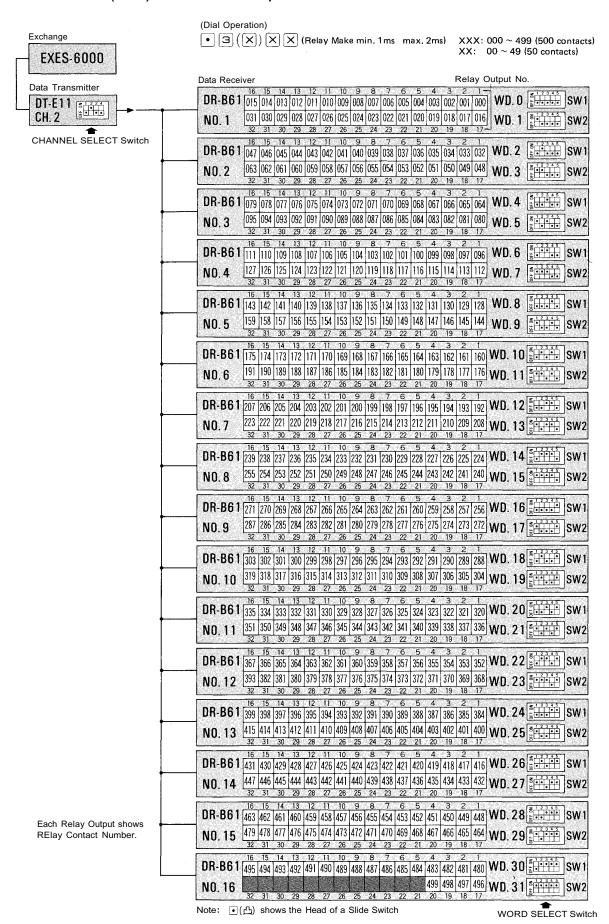
— 51 **—**

14-2 Channel 1 (CH. 1) Make/Break Output

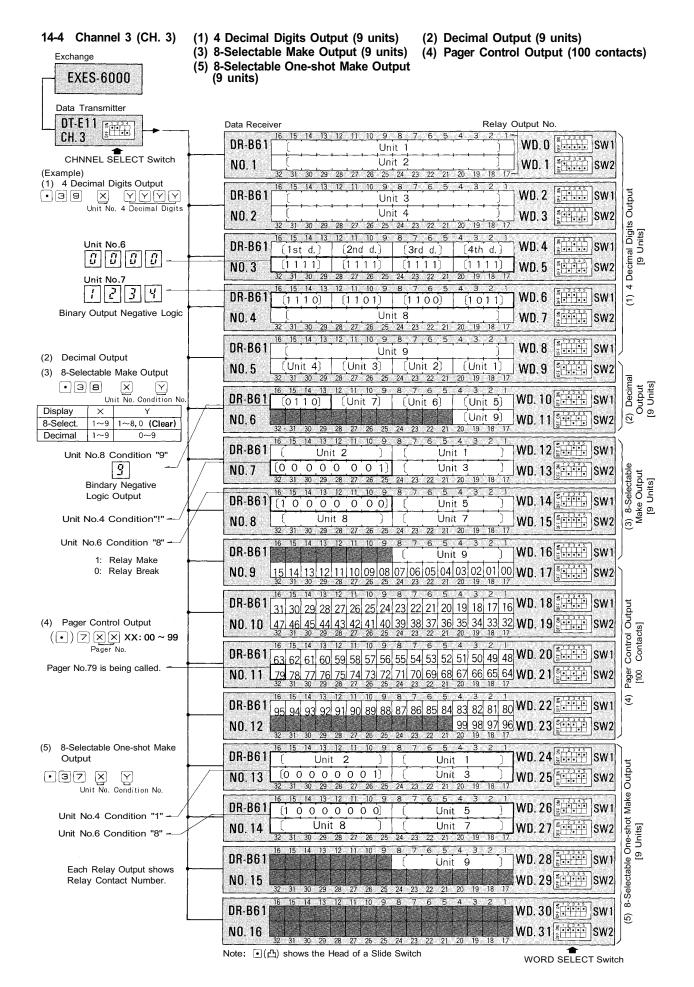


— 52 —

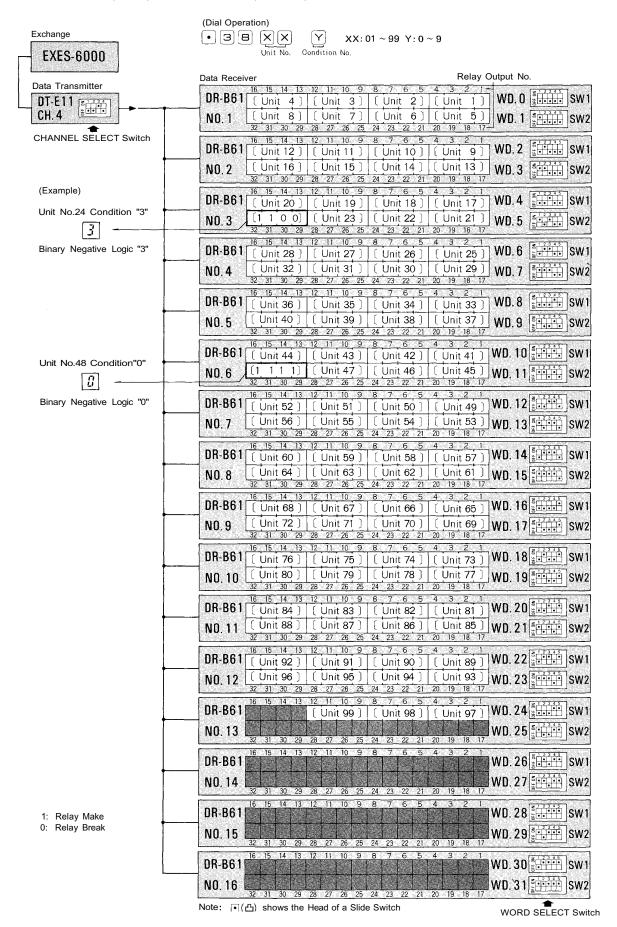
14-3 Channel 2 (CH. 2) One-Shot Make Output



— 53 **—**

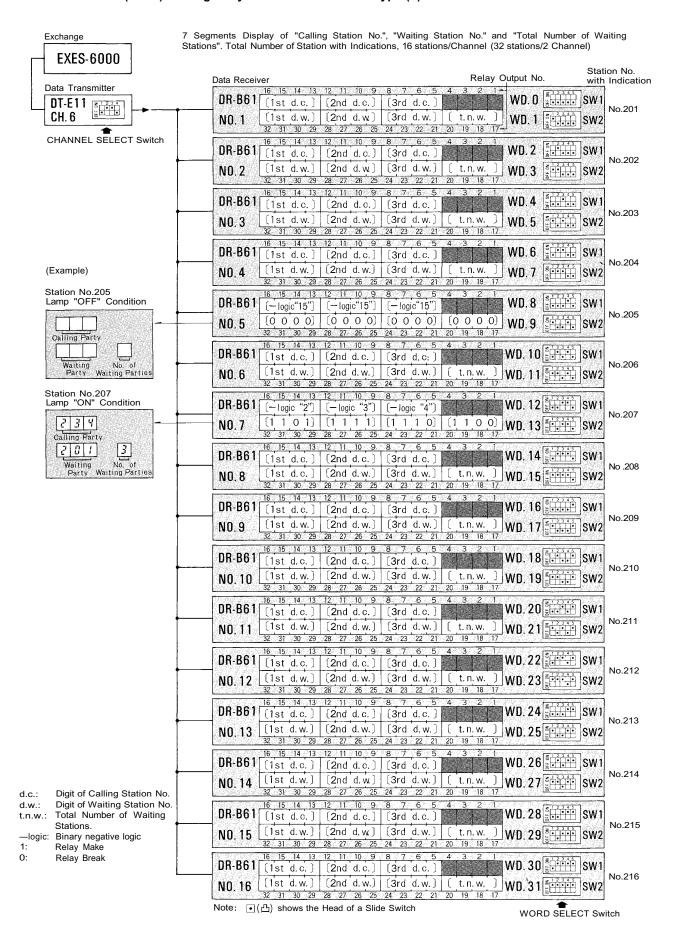


14-5 Channel 4 (CH. 4) Decimal Output (99 Units)

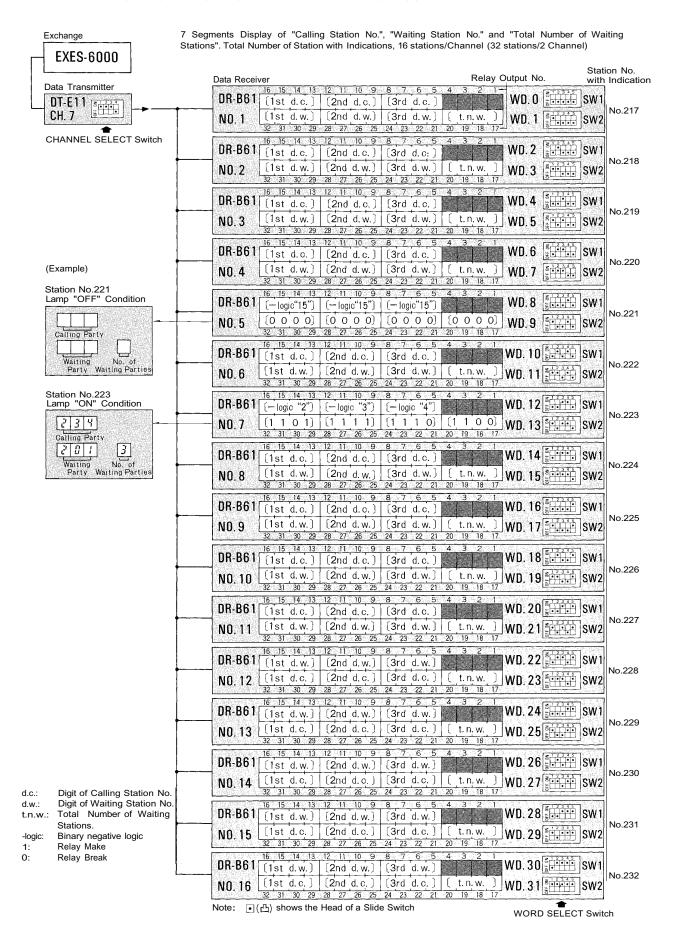


14-6 Channel 5 (CH. 5) 8-Selectable Make Output (64 Units)

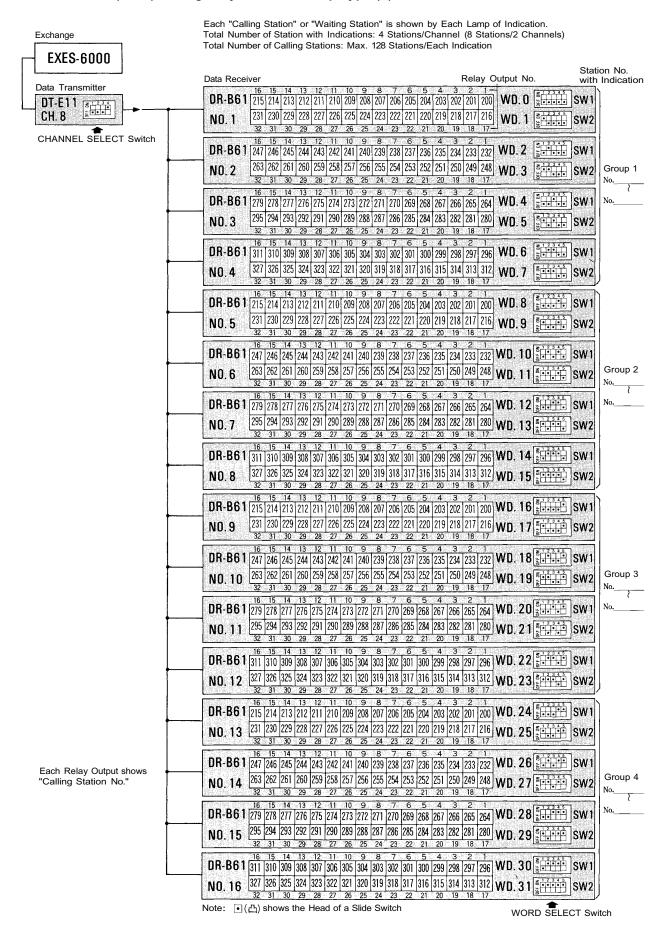
EXES-6000	(Dial Operation) Unit No. Condition No.	01 ~ 64 Y: 1 ~ 8, 0 (Clear)
Data Transmitter	Data Receiver	Relay Output No.
Data Transmitter	DR-B61 Unit 2	8 7 6 5 4 3 2 1 WD. 0 ST. SW1
OT-E11 R1234		
CH.5	NO. 1 [Unit 4] 32 31 30 29 28 27 26 25	Unit 3 WD. 1 5 2 3 5 SW2
CHNNEL SELECT Switch	16 15 14 13 12 11 10 9	8 7 6 5 4 3 2 1
(Example)	DR-B61 (Unit 6)	(Unit 5) WD. 2 SW1
(NO.2 (00000001)	Unit 7 WD. 3
Unit No.8 Condition "1"		24 23 22 21 20 19 18 17
	ND DC1	8 7 6 5 4 3 2 1 WD.4 (\$1515) SW1
Unit No.10 Condition "8"		
		(Unit 11) WD. 5 (SW2
	16 15 14 13 12 11 10 9	
	DR-B61 (Unit 14)	(Unit 13) WD. 6
	NO.4 (Unit 16)	(, Unit 15,) WD. 7
		24 23 22 21 20 19 18 17 8 7 6 5 4 3 2 i
	DR-B61 (Unit 18)	Unit 17 WD. 8 SW1
	NO.5 (Unit 20)	(Unit 19) WD 9 5 3 4 5 SW2
		24 23 22 21 20 19 18 17
		8 7 6 5 4 3 2 1 WD. 10 5 3 4 SW1
	DR-B61 (Unit 22)	
	NO.6 Unit 24)	Unit 23 WD. 11 Str. SW2
	16 15 14 13 12 11 10 9	81 7 6 15 W 15 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	DR-B61 [Unit 26]	(Unit 25) WD. 12 5 SW1
	NO.7 (Unit 28)	Unit 27) WD. 13
	32 31 30 29 28 27 26 25	24 23 22 21 20 19 18 17
		8 7 6 5 4 3 2 1 WD. 14 5 5 5 5 SW1
 		vi a rika kana kana kana kana kana kana kana k
	N0.8 Unit 32 U	Unit 31 WD, 15 13345 SW2
	16 15 14 13 12 11 10 9	8 7 6 5 4 3 2
	DR-B61 (Unit 34)	(Unit 33) WD. 16 5 SW1
	N0.9 (Unit 36)	(Unit 35) WD. 17 (SW2
		24 23 22 21 20 19 18 17
	DR-B61 Unit 38	8 7 6 5 4 3 2 1 WD. 18 37 SW1
<u> </u>	NO. 10 (Unit 40)	Unit 39 WD. 19 50000 SW2
1	32 31 30 29 28 27 26 25 4	24 23 22 21 20 19 18 17
	EMPLOYON COM	8 7 6 5 4 3 2 1 WD. 20 5 2 SW1
<u> </u>		
	NO. 11 Unit 44	Unit 43 WD. 21 (***********************************
	16 15 14 13 12 11 10 9	
	DR-B61 (Unit 46)	(Unit 45) WD. 22 (SW1
	NO.12 (Unit 48)	Unit 47) WD. 23 STATE SW2
	32 31 30 29 28 27 26 25	24 23 22 21 20 19 18 17
	DR-B61 (Unit 50)	8 7 6 5 4 3 2 1 WD. 24 SW1
 		
		Unit 51 WD. 25 (***********************************
		8 7 6 5 4 3 2 1 NAD 30 5 23 45
	DR-B61 (Unit 54)	(Unit 53) WB. 26
	NO. 14 [Unit 56]	Unit 55 WD. 27 512345 SW2
		24 23 22 21 20 19 18 17 8 7 6 5 4 3 2 1
1: Relay Make	DR-861 (Unit 58)	(Unit 57) WD. 28 (SW1
0: Relay Break	NO.15 (Unit 60)	(Unit 59) WD. 29 5 5 5 8W2
		24 23 22 21 20 19 18 17 WU. 25
}	00000	8 7 6 5 4 3 2 1 WD. 30 S S S S S W1
L		
	NO. 16 Unit 64 5 28 27 26 25 2	Unit 63) WD. 31 (SW2
	Note: •(凸) shows the Head of a Slide	Switch
		WORD SELECT Switch



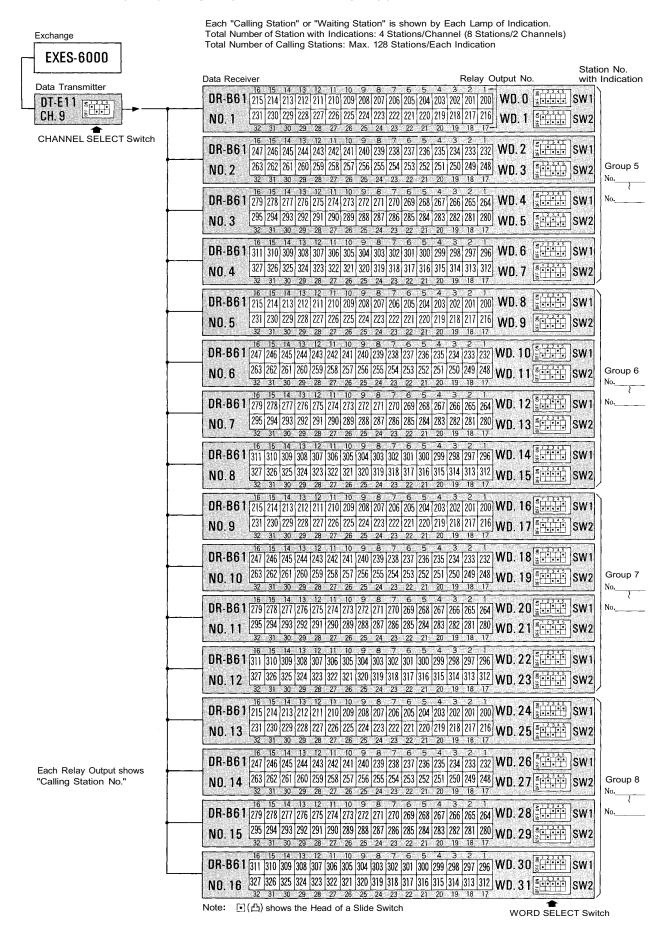
14-8 Channel 7 (CH. 7) Calling Party Indication Numerical Type (2)



14-9 Channel 8 (CH. 8) Calling Party Indication Lamp Type (1)



14-10 Channel 9 (CH. 9) Calling Party Indication Lamp Type (2)



14-11 Channel 10 (CH. 10) Destination Indication (1) (Dial Operation) • Registration of Personal Number (•)610XX XX: 00~31 Cancellation of Personal Number (•) • 1 □ X X Exchange Personal Number: Max. 32 persons (No.1000~1031) Station Number which shows Person's Destination: Max. 32 stations (No.210~232 (101~132/21~52/ EXES-6000 11-42)) Relay Output No. Data Receiver Date Transmitter Number DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 0 \$\frac{12 \cdot 2 \cdot 3 \cdot 2}{2 \cdot 2 \cdo DT-E11 (51234) CH. 10 No.1000 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 1 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 CHANNEL SELECT Switch 16 15 14 13 12 11 10 9 8 7 6 5 4 3 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 2 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD 3 No.1001 NO: 2 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 15 14 13 12 11 10 9 8 7 6 5 4 3 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 4 \$\frac{1}{2}\frac{1}{2 No.1002 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD 5 5 SW2 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 DR-B61 216 215 214 213 212 211 210 209 208 297 206 205 204 203 202 201 WD. 6 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 7 5:3345 SW2 No.1003 NO.4 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 8 . SW1 No. 1004 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 9 5 34 5 SW2 30 29 28 27 26 25 24 23 22 21 20 19 18 16 15 14 13 12 11 10 9 8 7 6 5 4 3 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 10 10 SW1 No.1005 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 11 5 3 3 5 SW2 NO.6 32 31 30 29 28 27 26 25 24 23 22 21 20 16 15 14 13 12 11 10 9 8 7 6 5 4 **EXAMPLE** Indication Panel-lamp on DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 12 5 3 5 5 5 5 5 5 5 5 5 A person "No.1006" registers his No.1006 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 13 [13] SW2 Personal Number at the station "No.216", then the Relay contact 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 "No.216" turns into "Make". Each Relay Output shows "Station No. of Person's Destina-No.1007 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 15 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 216 217 218 219 No.1008 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 17 5 3 3 5 5 5 5 5 5 5 5 5 32 31 30 29 28 27 26 25 24 23 22 21 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 18 3 SW1 No.1009 NO. 10 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 19 512 325 SW2 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 20 ** SW1 No.1010 NO. 11 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 21 5 3 5 SW2 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 No.1011 NO. 12 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 23 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 24 5-3-3-3 SW1 No.1012 NO. 13 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 25 5 3 SW2 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 26 3 3 W 1 Each Relay Output shows No 1013 NO. 14 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 27 3 3 5 5 5 5 5 5 8 5 8 2 "Station No. of 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 Person's Destination' 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 28 SW1 No.1014 NO. 15 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 29 () SW2 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 15 14 13 12 11 10 9 8 7 6 5 4 3 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 30 (SW1) SW1 No.1015 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17

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WORD SELECT Switch

Note: **●** (♠) shows the Head of a Slide Switch

14-12 Channel 11 (CH. 11) Destination Indication (2) (Dial Operation) Registration of Personal Number (•) 6 1 0 XX XX: 00~31 Cancellation of Personal Number ((•)) (•) (1) (□) (X) (X) Exchange Personal Number: Max. 32 persons (No.1000~1031) Station Number which shows Person's Destination: Max. 32 stations (No.210~232 (101~132/21~52/ EXES-6000 11~42)) Personal Relay Output No. Data Receiver Date Transmitter DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 0 DI-E11 No.1016 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 1 3 SW2 CH. 11 31 30 29 28 27 26 25 24 23 22 21 20 CHANNEL SELECT Switch DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 2 5 3 3 5 1 5 W1 No.1017 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 3 NO. 2 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 1 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 4 SW1 No.1018 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD 5 E 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 DR-B61 216 215 214 213 212 211 210 209 208 297 206 205 204 203 202 201 WD. 6 No.1019 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 7 512-255 SW2 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 1 16 15 14 13 12 11 10 9 8 7 6 5 4 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 8 . SW1 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 9 (10.10) SW2 No.1020 NO.5 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 10 \$ 3.00 SW1 No.1021 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 11 5 3 5 5 SW2 NO.6 31 30 29 28 27 26 25 24 23 22 21 20 19 18 **FXAMPLE** Indication Panel-lamp on A person "No.1022" registers his No.1022 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 13 3 5 5 5 SW2 NO.7 Personal Number at the station 31 30 29 28 27 26 25 24 23 22 21 20 19 18 1 "No.216", then the Relay contact 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 "No.216" turns into "Make". DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 14 . SW1 Each Relay Output shows "Station No. of Person's Destinashows No.1023 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 15 5 345 SW2 NO.8 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 16 15 14 13 12 11 10 9 8 7 6 5 4 3 216 217 218 219 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 16 E SW1 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 17 No.1024 NO.9 31 30 29 28 27 26 25 24 23 22 21 20 19 18 1 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 18 3 SW1 No.1025 NO. 10 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 19 51335 SW2 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 20 5 5W1 No.1026 NO. 11 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 21 31 30 29 28 27 26 25 24 23 22 21 20 19 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 22 5 3 5 5 5 5 5 5 5 5 5 5 5 6 6 7 5 6 No .1027 NO. 12 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 23 5 3 SW2 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 24 : SW1 No. 1028 NO. 13 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 25 SW2 32 31 30 29 28 27 26 25 24 23 22 21 20 Each Relay Output shows No.1029 NO. 14 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 27 345 SW2 'Station No. of Person's Destination" 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 I DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 28 3 SW1 No.1030 NO 15 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD 29 5 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 DR-B61 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 WD. 30 5 3W1 No.1031 NO. 16 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 WD. 31 SW2 31 30 29 28 27 26 25 24 23 22 21 20 19 Note: <a>• (△) shows the Head of a Slide Switch WORD SELECT Switch

