



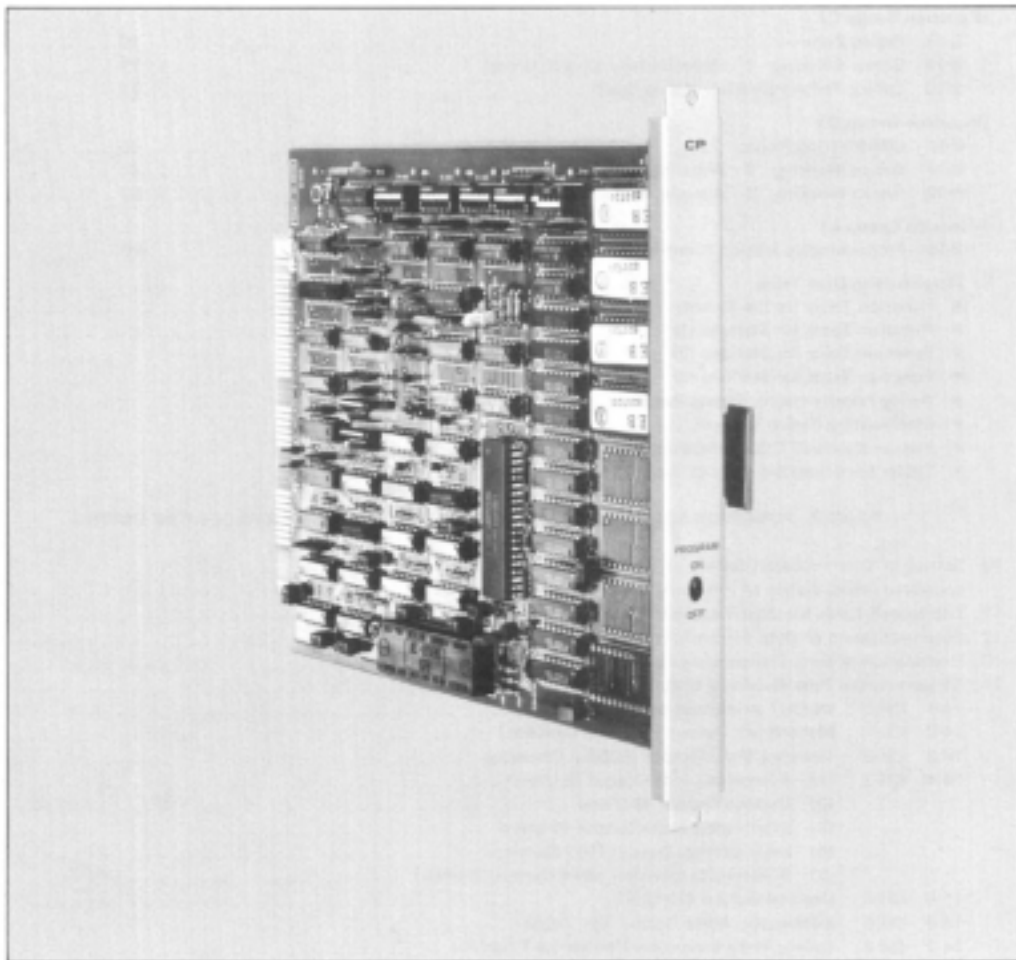
For _____

TOA EXES-6000 INTERCOM SYSTEM

Central Processing Unit for Single Exchange

CP-62

INSTALLATION HAND BOOK



TOA ELECTRIC CO., LTD.
KOBE, JAPAN

● 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 connecting the additional equipments/devices.**

Provision of such additional function requires the following:

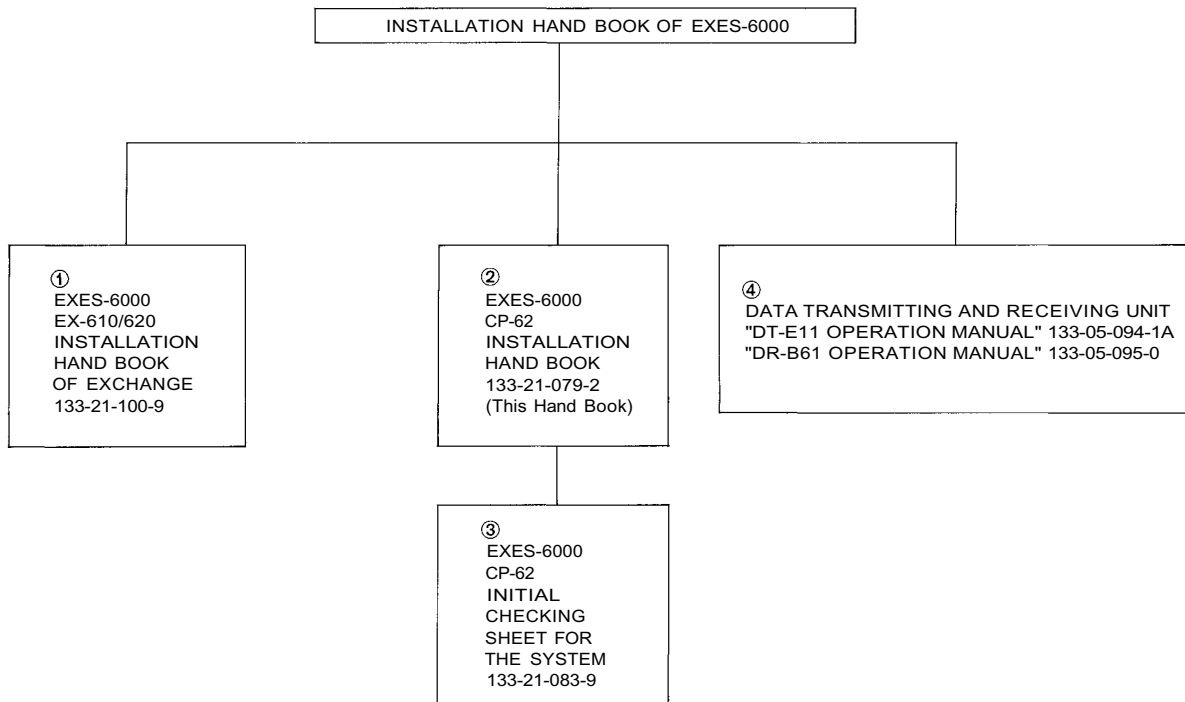
- (1) Connection of the additional equipment, as required.
- (2) Selection of functions which satisfy your needs and setting up these functions in the respective equipment.

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.

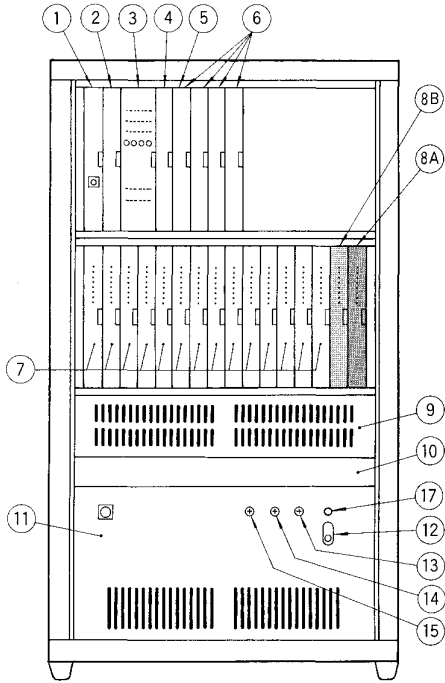
Note: Refer to "Installation handbook of CP-63" when installing Tie-line system.



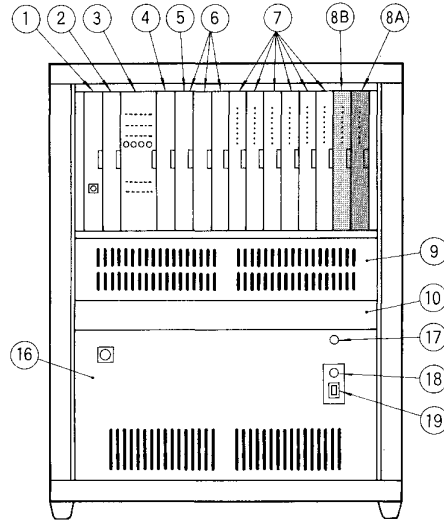
Manuals Necessary for Installation of Exchange.

SYSTEMS OF EXES-6000	REQUIRED INSTALLATION HANDBOOK					
	① EX-610/620 INSTALLATION HANDBOOK OF EXCHANGE	② CP-62 INSTALLATION HANDBOOK	③ CP-62 INITIAL CHECKING SHEET	CP-63 INSTALLATION HANDBOOK	CP-63 INITIAL CHECKING SHEET	④ DATA TRANSMITTING AND RECEIVING UNIT OPERATION MANUAL
(A) Normal Conversation and Paging System	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
(B) Normal Conversation and Paging System with Display and Control Functions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			<input type="radio"/>
(C) Tie-line System with Normal Conversation and Paging Functions	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>	
(D) Tie-line System with Normal Conversation, Paging, Display and Control Functions	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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



Exchange EX-620



Exchange EX-610

- | | |
|--|---------------------------------|
| ① Central Processing Unit CP-62 | ⑩ Data Transmitting Unit DT-E11 |
| ② Output Control Unit OC-62 | ⑪ Power Supply Unit DS-620 |
| ③ Highway Control Unit HC-62 | ⑫ Power Switch |
| ④ Signal Generating and Distributing Unit SG-62 | ⑬ AC Fuse |
| ⑤ Conference Link Unit CL-62 | ⑭ DC Fuse |
| ⑥ Duplex Link Unit DL-62 | ⑮ Battery Fuse |
| ⑦ Line Modem Unit LM-62 | ⑯ Power Supply Unit DS-610 |
| ⑧A Paging Interface Unit PI-62 (Type 1)
(Zone 0-7 with All-Call Paging) | ⑰ Power Indication Lamp |
| ⑧B Paging Interface Unit PI-62 (Type 2)
(Zone 8-15 without All-Call Paging) | ⑱ Battery Power Indication Lamp |
| ⑨ Perforated Panel PF-022G | 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.

1. Be careful about damage by static electricity as the CP-62 incorporates CMOS IC's. Do not touch components and connectors.
2. 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.
4. Make sure mini-jumper for battery back-up is always placed in ON position each time it is used.
5. Incorrect setting of function select switches may lead to incorrect performance.
6. 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.
7. 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 8 days after new installation. The CP-62 unit is capable of maintaining the programmed data for the period of 4 weeks after fully charged even in the event of long hours of power failure.
(About 4 weeks (25°C), About 8 days (40°C))

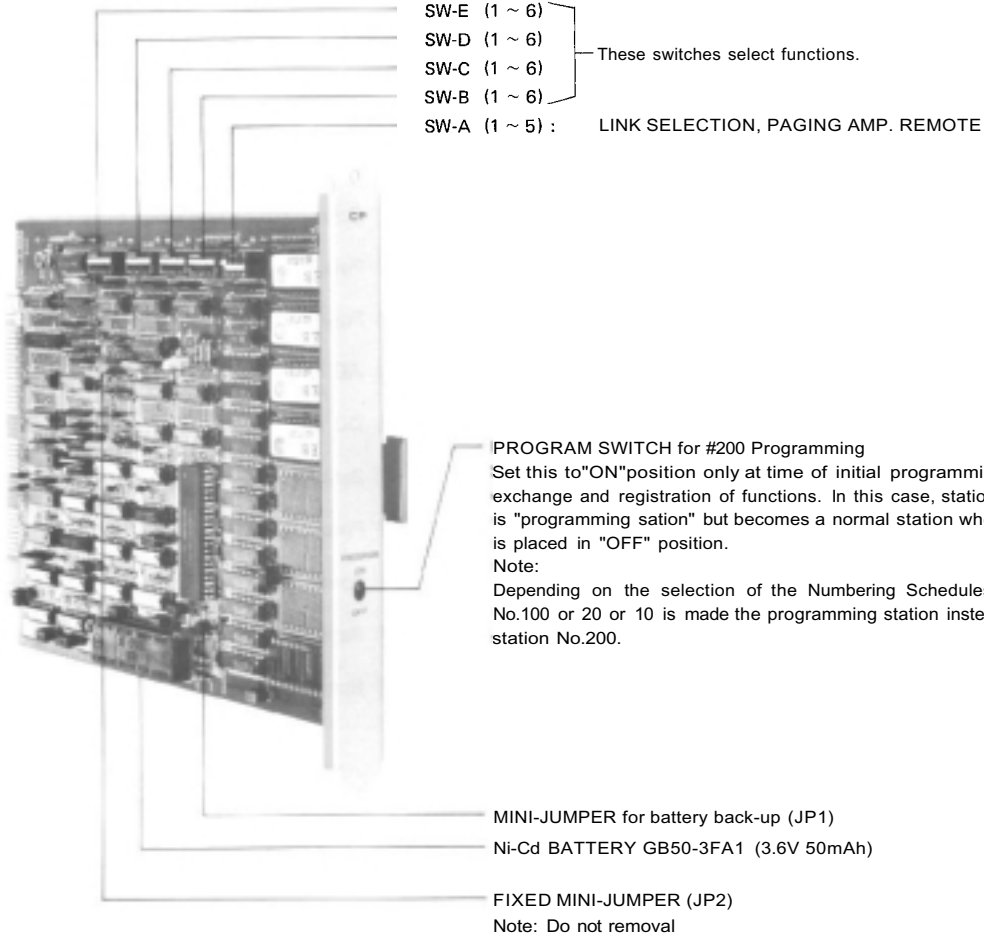
8. We suggest you replace the soldered button battery GB50-3FA1 (115-42-031-9) with the new one according to the following list that shows an expected life span of the battery.
Be sure to make the station No.200 programming after replacement of the battery.

• Expected Life Span of small Ni-Cd Battery

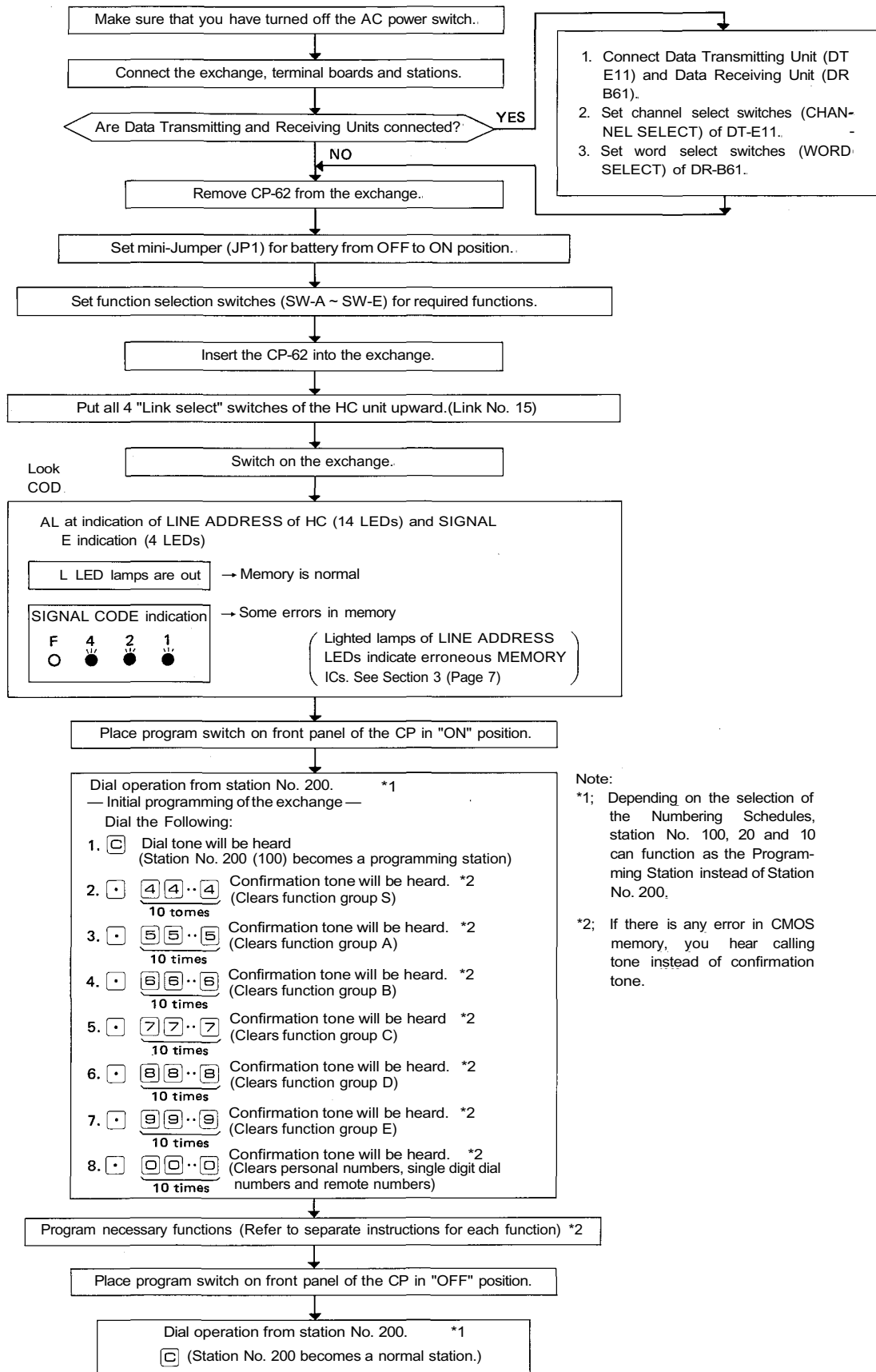
Ambient temperature of exchange	Ambient temperature of battery	Life span
0°C	10°C	About 5 years
25°C	35°C	About 4 years
40°C	55°C	About 2 years

9. When shipping the CP-62 unit independently, place the mini-jumper 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



2. INITIAL CP-62 SET UP



3. TROUBLE SHOOTING

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

1. 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.
4. 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

1. 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.
2. 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.
3. 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)

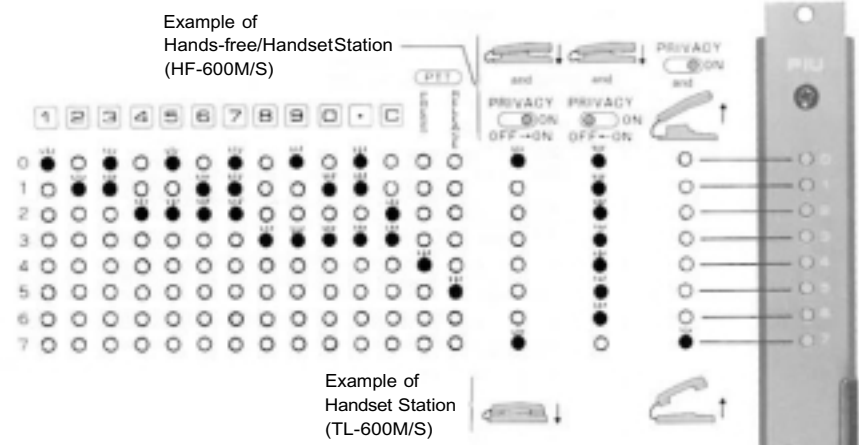
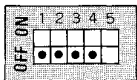


Fig. 3 Dial code indication

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:

1. Be sure to avoid mistake at the time of DIP switch installation and No. 200 Programming since such mistake may lead to trouble later.
2. 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.

Error ROM • RAM Chip No.

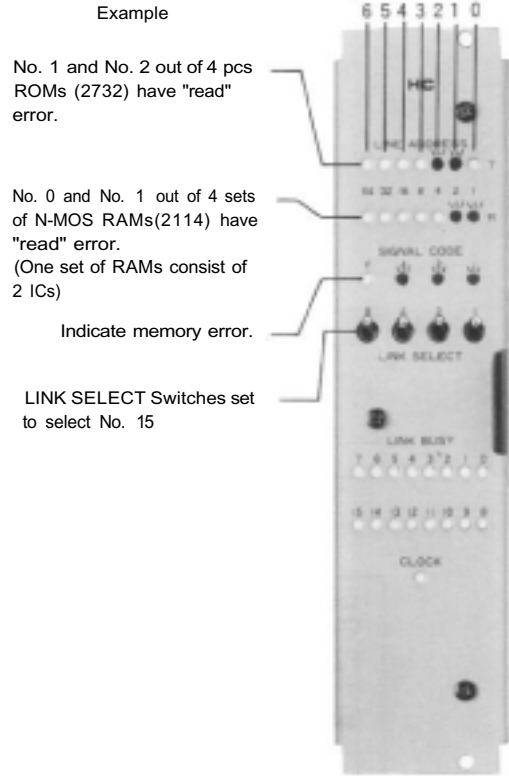


Fig. 1

PIU-52A unit

4. CP-62 DIP SWITCHES FOR FUNCTION SELECTION

	Functions	Switch OFF	Switch ON
SW-A	1 --- Link Selection; Link No. 0 ~ 3	Not Activate	Activate
	2 --- Link Selection; Link No. 4 ~ 7	Not Activate	Activate
	3 --- Link Selection; Link No. 8 ~ 11	Not Activate	Activate
	4 --- Link Selection; Link No. 12 ~ 15	Not Activate	Activate
	5 --- Time Interval Adjustment before Paging Pre-announcement tone	None	1 sec
SW-B	1 --- Conference	Not Activate	Activate
	2 --- Call Transfer, Paging During Normal Call	Not Activate	Activate
	3 --- Priority & Executive Priority	Not Activate	Activate
	4 --- Paging	Not Activate	Activate
	5 --- Secretary Transfer, Group Hunting	Not Activate	Activate
	6 --- System Size Selection	EX-610	EX-620
SW-C	1 --- Selectable Numbering Schedules	No.200 (20)~	No.100 (10)~
	2 --- Emergency All-Call	Not Activate	Activate
	3 --- Paging Priority	Not Activate	Activate
	4 --- Combination Paging	Not Activate	Activate
	5 --- 15 Individual Paging Zones	7 Zones	15 Zones
	6 --- 2-Digit Dialing	3 Digit	2 Digit
SW-D	1 --- 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
	4 --- Group Blocking	Not Activate	Activate
	5 --- Programmable Station Numbering	Not Activate	Activate
	6 --- Pager	Not Activate	Activate
SW-E	1 --- Selectable Function Code	<input type="checkbox"/> F	<input checked="" type="checkbox"/> F
	2 --- Selectable Dial Operation for Paging Response	<input type="checkbox"/> () <input checked="" type="checkbox"/> (X) <input checked="" type="checkbox"/> (X) <input checked="" type="checkbox"/> (X)	<input type="checkbox"/> () <input checked="" type="checkbox"/> (X)
	3 --- Output Capacity of General Purpose Control	Small	Large
	4 --- Memory of Calling Party Indication (Lamp type)	Without memory	With memory
	5 --- Tone of Called Mode at Privacy Sw. ON	Privacy	Continuous calling
	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: () (X) (X) (X)

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

Note: Following specification changes have been made from the CPU-55 to the CP-62.

	Function	CPU-55	CP-62
*1	8 Selectable Make Output (9 units)	<input checked="" type="checkbox"/> ③ <input type="checkbox"/> ⑦ <input type="checkbox"/> X <input type="checkbox"/> Y (X : 1~9, Y : 0~7)	<input checked="" type="checkbox"/> ③ <input type="checkbox"/> ⑧ <input type="checkbox"/> X <input type="checkbox"/> Y (X : 1~9, Y : 1~8, 0)
*2	Calling Party Indication (Numerical Type) The Station having a Indication Board	Np. 200 ~ 231	No. 201 ~ 232
*3	Continuous Calling Tone One-touch Response	<input type="checkbox"/> PTT	<input type="checkbox"/> 1~⑨, <input type="checkbox"/> 0, <input type="checkbox"/> ., <input type="checkbox"/> C

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.

Item		Type and Feature of Dial Operation		Type1		Type 2		Type3		Type 4	
				3-Digit Dialing, Standard		3-Digit Dialing, Prog. St. No.		2-Digit Dialing, Paging mainly		2-Digit Dialing, 90 Stations	
DIP Switch	2-Digit Dialing	SW-C-6		OFF (3-Digit Dialing)				ON (2-Digit Dialing)			
	Selectable Function Code	SW-E-1		OFF (<input type="checkbox"/>) *1		ON (<input type="checkbox"/>) *1		OFF (<input type="checkbox"/>) (Only "Paging") *2		ON (<input type="checkbox"/>) *1	
	Selectable Numbering Schedules	SW-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
Examples of Dial Operation	Numbering Schedules	Hardwired Station 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	
		Programmed Station No.	No.200~399	No.100~399	No.200~999	No.100~999	(60 Stations)	(70 Stations)	(80 Stations)	(90 Stations)	
	Conference		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
	Single Digit Registration		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
	Paging Call		<input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/>		
	Paging Response	SW-E-2	OFF	"All Call" <input type="checkbox"/> <input type="checkbox"/> (<input type="checkbox"/> <input type="checkbox"/>), <input type="checkbox"/> <input type="checkbox"/>	"Zone" <input type="checkbox"/> <input type="checkbox"/>	"All Call" <input type="checkbox"/> <input type="checkbox"/> (<input type="checkbox"/> <input type="checkbox"/>), <input type="checkbox"/> <input type="checkbox"/>	"Zone" <input type="checkbox"/> <input type="checkbox"/>	"All Call" <input type="checkbox"/> <input type="checkbox"/> (<input type="checkbox"/> <input type="checkbox"/>), <input type="checkbox"/> <input type="checkbox"/>	"Zone" <input type="checkbox"/> <input type="checkbox"/>	"All Call" <input type="checkbox"/> <input type="checkbox"/> (<input type="checkbox"/> <input type="checkbox"/>), <input type="checkbox"/> <input type="checkbox"/>	"Zone" <input type="checkbox"/> <input type="checkbox"/>
		ON *4	"All Call" <input type="checkbox"/> <input type="checkbox"/> , <input type="checkbox"/> <input type="checkbox"/>	"Zone" <input type="checkbox"/> <input type="checkbox"/>	"All Call" <input type="checkbox"/> <input type="checkbox"/> , <input type="checkbox"/> <input type="checkbox"/>	"Zone" <input type="checkbox"/> <input type="checkbox"/>	"All Call" <input type="checkbox"/> <input type="checkbox"/> , <input type="checkbox"/> <input type="checkbox"/>	"Zone" <input type="checkbox"/> <input type="checkbox"/>	"All Call" <input type="checkbox"/> <input type="checkbox"/> , <input type="checkbox"/> <input type="checkbox"/>	"Zone" <input type="checkbox"/> <input type="checkbox"/>	
Comparison with the EXES-5000			More functions but same easy dial operation as the CPU-52A permits.		3-Digit Dial Operation allowed by the CPU-55. Used when "Programmable 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, 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 Each Station	CP DIP Switch			No. 200 Programming					
		No.	Function	ON/OFF	Function Group	Function Code	Function			
Single Digit Dialing	Single Digit Registration	—	—	—	—	—	—			
Automatic Access to Paging	Single Digit Registration	—	—	—	A	54	Automatic Access to Paging			
Master/Sub Relationship	—	—	—	—	B	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	A	51	Continuous Calling Tone			
Press-To-Talk Control	—	SW-C-5	15 Individual Paging Zones	OFF	—	—	—			
Personal Number Call	Personal Number Registration	SW-C-1	Selectable Numbering Schedules	OFF	—	—	—			
		SW-D-3	Personal Number Paging	OFF	—	—	—			
Personal Number Paging	Personal Number Registration	SW-B-4	Paging	ON	—	—	—			
		SW-A-5	Time Interval Adjustment before Paging Pre-announce Tone	ON/OFF						
		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				C	70	Paging Zone
Remote Response	Remote Response Registration	SW-E-5	Tone of Called Mode at Privacy SW.ON	ON	A	51	Continuous Calling Tone			
		or SW-E-6	or Continuous Calling Tone	ON						
Call Transfer	—	SW-B-2	Call Transfer, Paging during Normal Call	ON	—	—	—			
Paging during Normal Call	—	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						
		SW-C-5	15 Individual Paging Zones	ON/OFF						
		SW-E-2	Selectable Dial Operation for Paging Response	OFF				ON	C	70
Group Hunting	—	SW-B-5	Secretary Transfer, Group Hunting	ON	B	62	Group Hunting			
Secretary Transfer	Privacy SW.ON	SW-B-5	Secretary Transfer, Group Hunting	ON	B	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	—	—	—			
Paging	—	SW-B-4	Paging	ON	—	—	—			
		SW-A-5	Time Interval Adjustment before Paging Pre-announce Tone	ON/OFF						
		SW-C-5	15 Individual Paging Zones	ON/OFF						
		SW-E-2	Selectable Dial Operation for Paging Response	OFF				ON	C	70
Combination Paging	—	SW-B-4	Paging	ON	—	—	—			
		SW-A-5	Time Interval Adjustment before Paging Pre-announcement Tone	ON/OFF						
		SW-C-4	Combination Paging	ON				D	80	Combination Paging
		SW-C-5	15 Individual Paging Zones	ON/OFF				—	—	—
		SW-E-2	Selectable Dial Operation for Paging Response	OFF						

Function		Registration or Operation at Each Station	CP DIP Switch			No.200 Programming							
			No.	Function	ON/OFF	Function Group	Function Code	Function					
Emergency All-call Paging		—	SW-B-4	Paging Zone	ON	—	—	—					
			SW-C-2	Emergency All-call Paging	ON								
			SW-C-5	15 Individual Paging Zones	ON/OFF								
Paging Priority (Zone No.1 ~ 7)		—	SW-B-4	Paging	ON	—	—	—					
			SW-A-5	Time Interval Adjustment before Paging Pre-announce Tone	OFF								
			SW-C-3	Paging Priority	ON				C	70	Paging Zone (No.1 ~ 7)		
			SW-C-5	15 Individual Paging Zones	ON/OFF				—	—	—		
			SW-E-2	Selectable Dial Operation for Paging Response	OFF								
Numbering Schedules and Dial Operation		3-Digit Dialing	Type 1 ☐... No. 200~	—	SW-C-6	2-Digit Dialing	OFF	—	—	—			
					SW-E-1	Selectable Function Code	OFF						
					SW-C-1	Selectable Numbering Schedules	OFF						
			Type 2 ☐☐... No. 100~	—	SW-C-6	2-Digit Dialing	OFF						
					SW-E-1	Selectable Function Code	OFF						
					SW-C-1	Selectable Numbering Schedules	ON						
		2-Digit Dialing	Type 2 ☐☐... No. 200~	—	—	SW-C-6	2-Digit Dialing				OFF		
						SW-E-1	Selectable Function Code				ON		
						SW-C-1	Selectable Numbering Schedules				OFF		
			Type 3 ☐... No. 20~	—	—	—	SW-C-6				2-Digit Dialing	ON	
							SW-E-1				Selectable Function Code	OFF	
							SW-C-1				Selectable Numbering Schedules	OFF	
		Type 4 ☐☐... No. 10~	—	—	—	SW-C-6	2-Digit Dialing				ON		
						SW-E-1	Selectable Function Code				OFF		
						SW-C-1	Selectable Numbering Schedules				ON		
						SW-C-1	Selectable Numbering Schedules				ON		
		Output Capacity of General Purpose Control		—	SW-E-3	Output Capacity of General Purpose Control	ON/OFF						
		Programmable Station Numbering		—	SW-D-5	Programmable Station Numbering	ON				E	90	Programmable Station Numbering
		Group Blocking		—	SW-D-4	Group Blocking	ON				C	71	Establishment of Each Groups
											D	81	Allowing Calls among Groups
D	82							Allowing Access to Paging Zones					

Function	Registration or Operation at Each Station	CP DIP Switch			No.200 Programing		
		No.	Function	ON/OFF	Function Group	Function Code	Function
Programmable Restricted Access for Stations	—	SW-D-1	Stations Allowed Access to All Call, Conference and General Purpose Control	ON	A	52	Stations Allowed Access to All Call
					A	53	Stations Allowed Access to Conference
					A	56	Stations Allowed Access to One-shot Make Output
					A	57	Stations Allowed Access to Make/Break Output
					A	58	Stations Allowed Access to 8 Selectable (One-Shot Make) /Decimal Output
					A	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	C	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	Function Code	Clearance of Function	Function Registration on All Stations	Clearance of Function by Function Group
S	Selection of Calling Tone	41	[•][4][1] [2] Confirmation tone	X	[•][4][4]...[4] Confirmation tone 10 times (Clears function group S)
	Selection of Paging Pre-announcement Tone	42	[•][4][2] [2] Confirmation tone		
	Time-out of Conversation	45	[•][4][5] [0][0] Confirmation tone		
	Time-out of Paging Call	46	[•][4][6] [0][0] Confirmation tone		
A	Executive Priority	50	[•][5][X] [0][0]...[0][0] Confirmation tone x: 0~4 6~9 10 times	[•][5][X] [PTT][PTT]...[PTT] Confirmation tone 10 times	[•][5][5]...[5] Confirmation tone 10 times (Clears function group A)
	Continuous Calling Tone	51			
	Station Allowed Access to All Call	52			
	Stations Allowed Access to Conference	53			
	Automatic Access to Paging	54			
	Stations Allowed Access to One Shot Make Output	56			
	Stations Allowed Access to Make/ Brake Output	57			
Stations Allowed Access to 8 Selectable/ Decimal Output	58				
Stations Allowed Access to 4 Decimal Digits Output	59				
B	Secretary Transfer	60	[•][6][X] [0][0]...[0][0] Confirmation tone x: 0, 1, 2 10 times	X	[•][6][6]...[6] Confirmation tone 10 times (Clears function group B)
	Master/Sub	61			
	Group Hunting	62			
C	Paging Response, Paging Priority	70	[•][7][X] [0][0]...[0][0] Confirmation tone x: 0, 1, 2 10 times	X	[•][7][7]...[7] Confirmation tone 10 times (Clears function group C)
	Group Blocking of Each Group	71			
	Group of Calling Party Indication	72			
D	Combination Paging	80	[•][8][X] [0][0]...[0][0] Confirmation tone x: 0, 1, 2 10 times	X	[•][8][8]...[8] Confirmation tone 10 times (Clears function group D)
	Group Blocking: Allowing Calls Among Groups	81			
	Group Blocking: Allowing Access to Paging Zones	82			
E	Programmable Station Numbering	90	[•][9][0] [0][0]...[0][0] Confirmation tone 10 times	X	[•][9][9]...[9] Confirmation tone 10 times (Clears function group E)
*	Personal Number Single Digit Dialing Remote Response	-	X	X	[•][0][0]...[0] Confirmation tone 10 times (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
S	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.	  0: Without Calling Tone 1: Single Note Tone (0.2 sec.) 2: Trill note Tone (0.3 sec.)	Trill note Tone (0.3 sec.)
	Selection of Paging Pre-announcement Tone Duration	42	You can select the length of time of paging pre-announcement tone.	  0: Without Paging Pre-announcement Tone. 1: Paging Pre-announcement Tone (1 sec.) 2: Paging Pre-announcement Tone (2 sec.)	Paging Pre-announcement 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.	  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.	  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

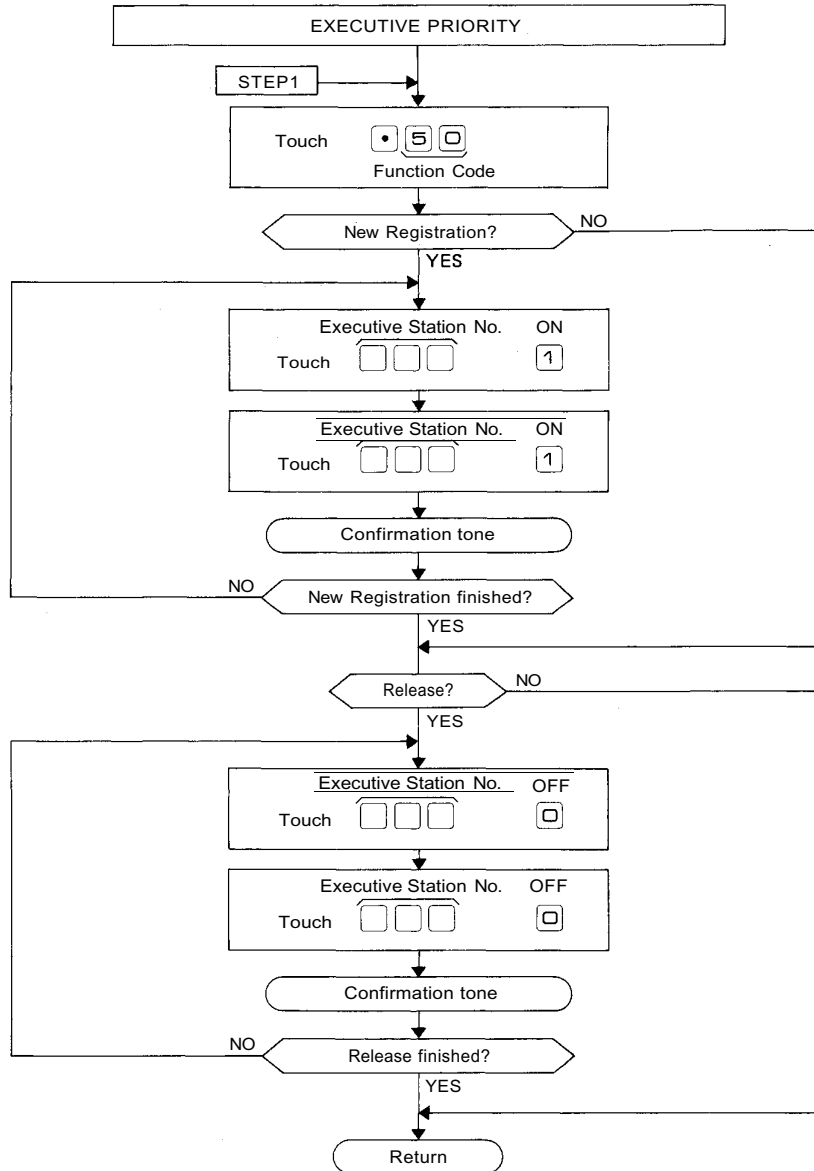
Function Group	Function	Function Code	1st Parameter	2nd Parameter	3rd Parameter	4th Parameter	OPERATING FOR PROGRAMMING	
A	Executive Priority	50	Station No.	ON/OFF (1/0)	X	X		
	Continuous Calling Tone	51	Station No.	ON/OFF (1/0)				
	Station Allowed Access to All Call	52	Station No.	ON/OFF (1/0)				
	Stations Allowed Access to Conference	53	Station No.	ON/OFF (1/0)				
	Automatic Access to Paging	54	Station No.	ON/OFF (1/0)				
	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)				
	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)					
B	Secretary Transfer	60	Executive Station No.	Secretary Station No.	X	X	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> X, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Confirmation tone, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Confirmation ... x: 0, 1, 2 Station No. (1st) Station No. (2nd) Station No. (1st) Station No. (2nd) Repeat Repeat	
	Master/Sub	61	Sub Station No.	Master Station No.				
	Group Hunting	62	Main station No.	Transferred Station No.				
C	Paging Zone	70	Zone No. (01~15)	The First Station No. of the Zone	The Last Station No. of the Zone	X	X	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> X, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Confirmation tone, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Confirmation ... x: 0, 1, 2 Zone No. 01~15 The 1st Station No. The Last Station No. Zone No. 01~15 The 1st Station No. The Last Station No. Repeat Repeat
	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			
D	Combination Paging	80	Combination Zone No. (90~99)	Zone No. (s) (01 ~ 15)	(Plural)	X	X	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> X, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Confirmation tone, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Confirmation ... x: 0, 1 Combination Paging No. 90~99 Zone No. (s) 01~15 Group No. of Calling Group Group No. (s) of Called Group Partes 1~8 Repeat Repeat
	Group Blocking: Allowing Calls Among Groups	81	Calling Group No. (1~8)	Called Group No.(s) (Plural)	(1~8)			
	Group Blocking: Allowing Access to Paging Zones	82	Paging Zone No. of Paged Group (00~15, 90~99)	Paging Group No.(s) (Plural)	(1~8)			
E	Programmable Station Numbering	90	Hardwired Station No. *2	Programmed Station No. *2	X	X	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> X, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Confirmation tone, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Confirmation ... Hardwired Station No. Programmed Station No. Hardwired Station No. Programmed Station No. Repeat Repeat	
			The First Hardwired Station No. *1	The Last Hardwired Station No. *1				The First Programmed Station No. *2

*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,

Touch ... (Confirmation tone will be heard.)
10 times

Be sure to depress the keys steadily.

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

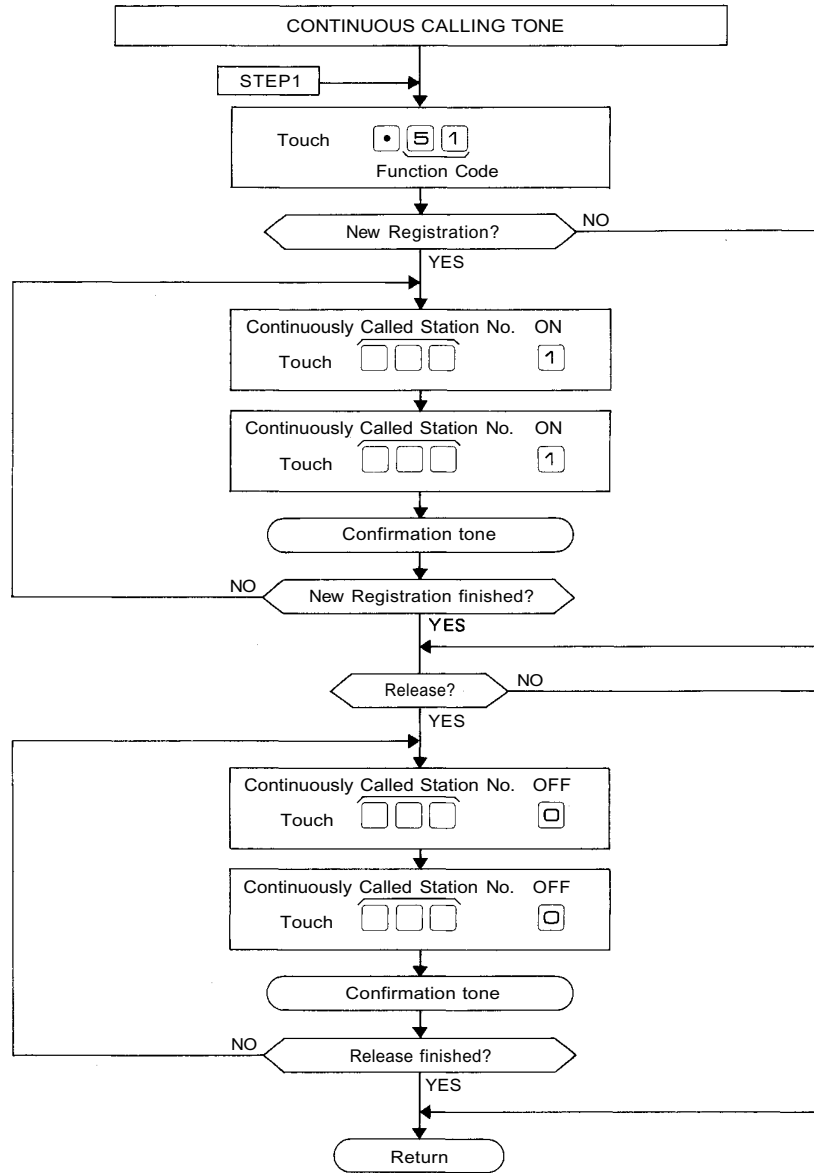
Touch ... (Confirmation tone will be heard.)
10 times

3. Re-start at Step 1 when mis-dialing occurs.
(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 (Confirmation tone will be heard.)
10 times

Be sure to depress the keys steadily.

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

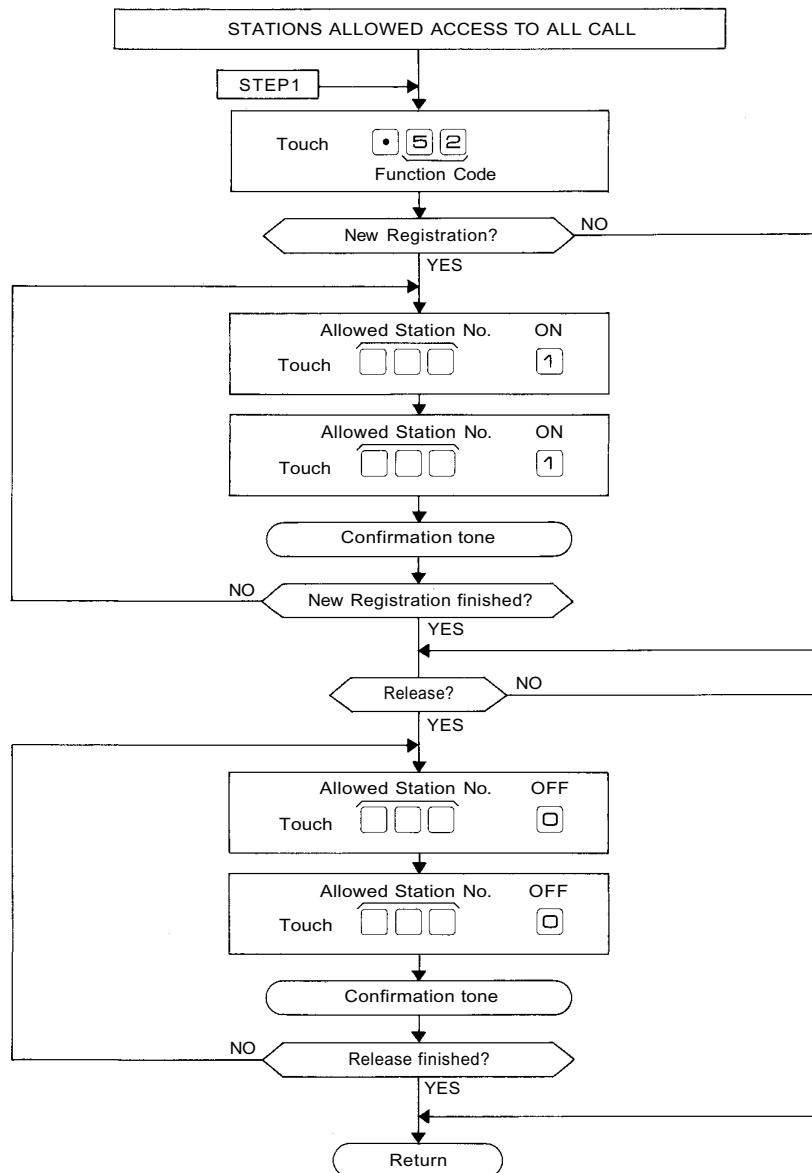
Touch (Confirmation tone will be heard.)
10 times

3. Re-start at Step 1 when mis-dialing occurs.
(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.

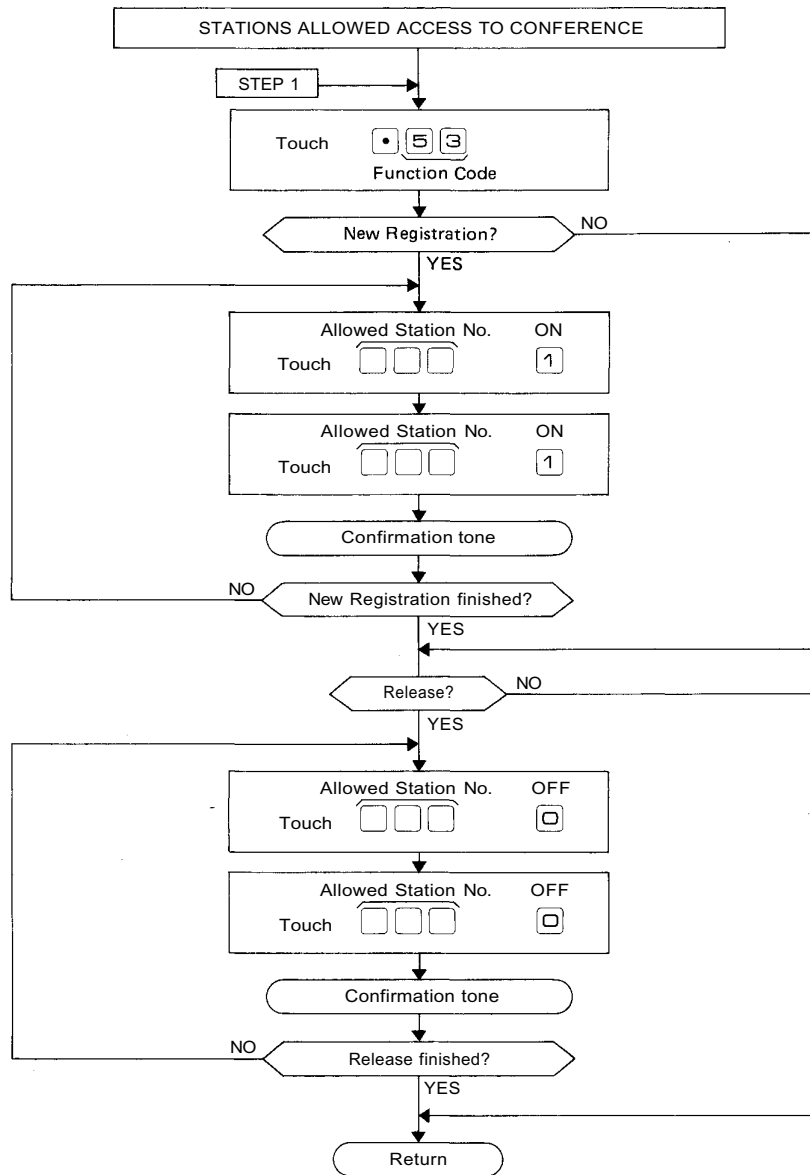
8-3 STATIONS ALLOWED ACCESS TO ALL CALL (FUNCTION CODE 52)



NOTES

- To allow all the stations to have this function,
 Touch 5 2 PTT PTT ... PTT (Confirmation tone will be heard.)
 10 times
 Be sure to depress the PTT keys steadily.
- To release at one time the data programmed into all the stations for this function,
 Touch 5 2 0 0 ... 0 (Confirmation tone will be heard.)
 10 times
- 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.
- 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 (Confirmation tone will be heard.)
10 times

Be sure to depress the keys steadily.

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

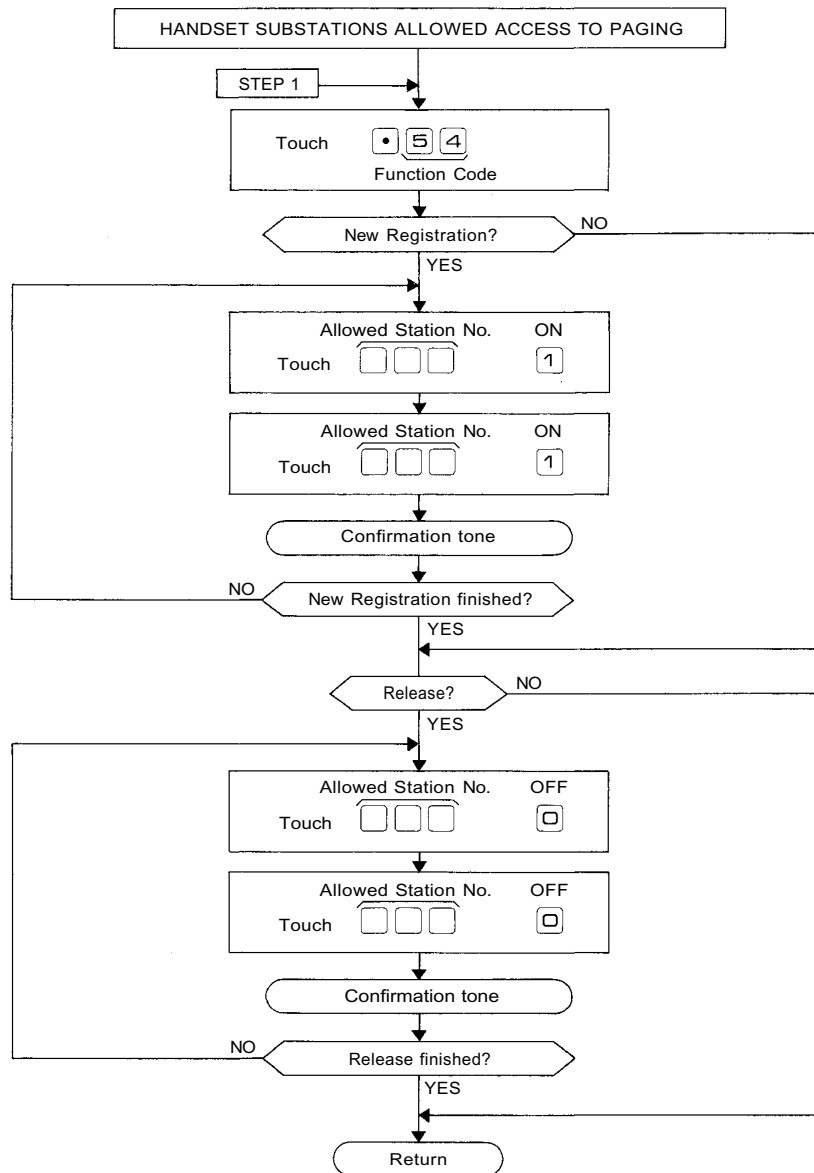
Touch (Confirmation tone will be heard.)
10 times

3. Re-start at Step 1 when mis-dialing occurs.
(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".
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.)
10 times

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 5 4 0 0 ... 0 (Confirmation tone will be heard.)
10 times

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

4. 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.

(2) 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 requires 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 , 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.

(5) Call by Dialing & Picking up the Handset

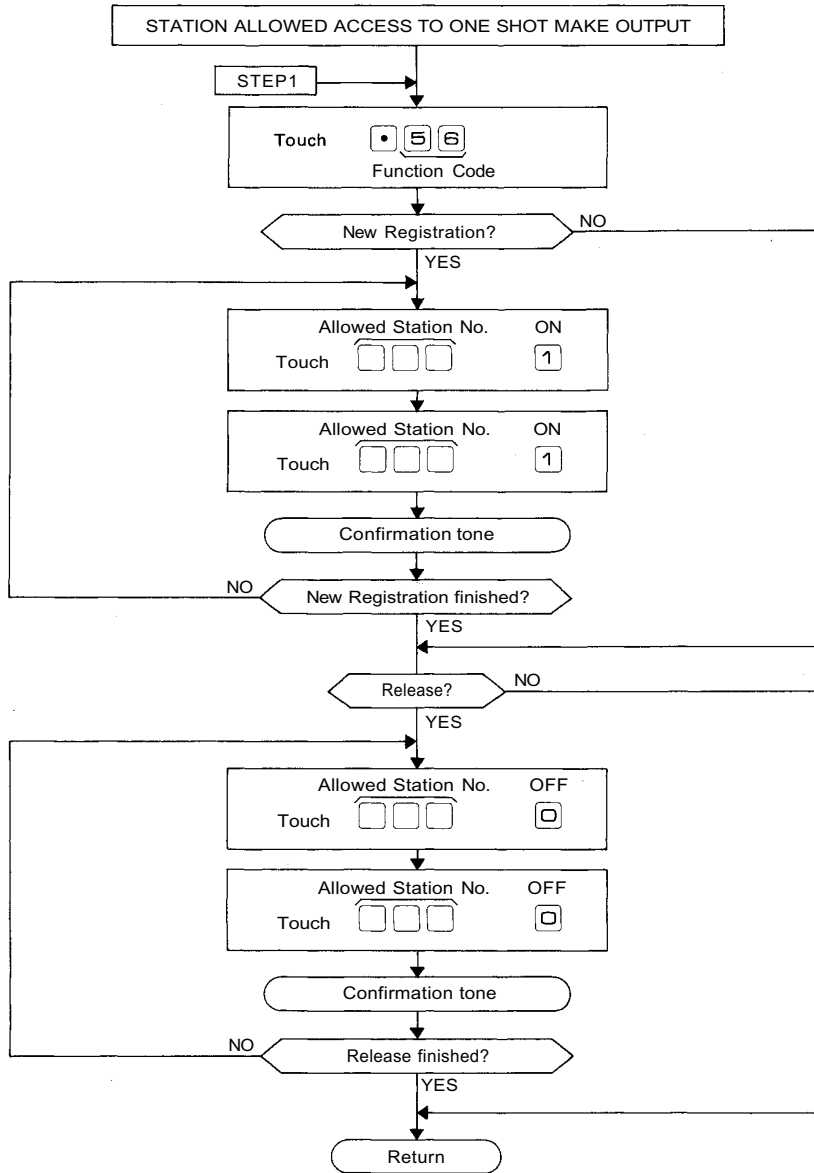
Function	Necessary Programming	Call to Master Station		Paging Call, Paging Response or Personal Number Call	
		By dialing <input type="checkbox"/>	By picking up Handset	By dialing <input type="checkbox"/>	By picking up Handset
		at HF-620S or HF-600S	at TL-600S or HF-600S (Privacy SW. ON)	at HF-620S or HF-600S	at TL-600S or HF-600S (Privacy SW. ON)
Single Digit Dialing	Single Digit Registration at Station	(○)	×	○	×
Master/sub Relationship	Programming at Station No. 200 (Function Code 61)	○	○	×	×
Automatic Access to Paging Paging (or Calling) from Handset Substation	1. Single Digit Registration at Station 2. Programming at Station No.200 (Function Code 54)	(○)	(○)	○	○

Note. ○ : Possible

× : Impossible

(○) : 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,

Touch (Confirmation tone will be heard.)
10 times

Be sure to depress the keys steadily.

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

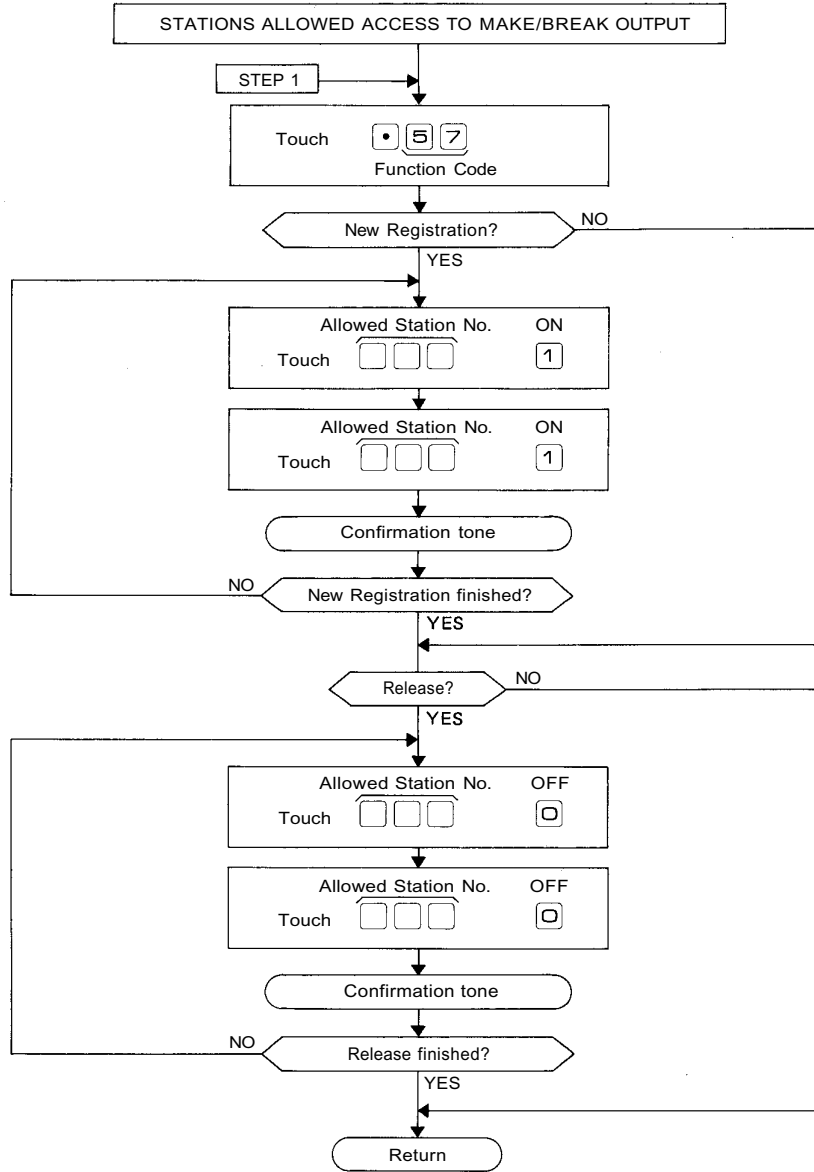
Touch (Confirmation tone will be heard.)
10 times

3. Re-start at Step 1 when mis-dialing occurs. (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 ... (Confirmation tone will be heard.)
10 times

Be sure to depress the keys steadily.

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

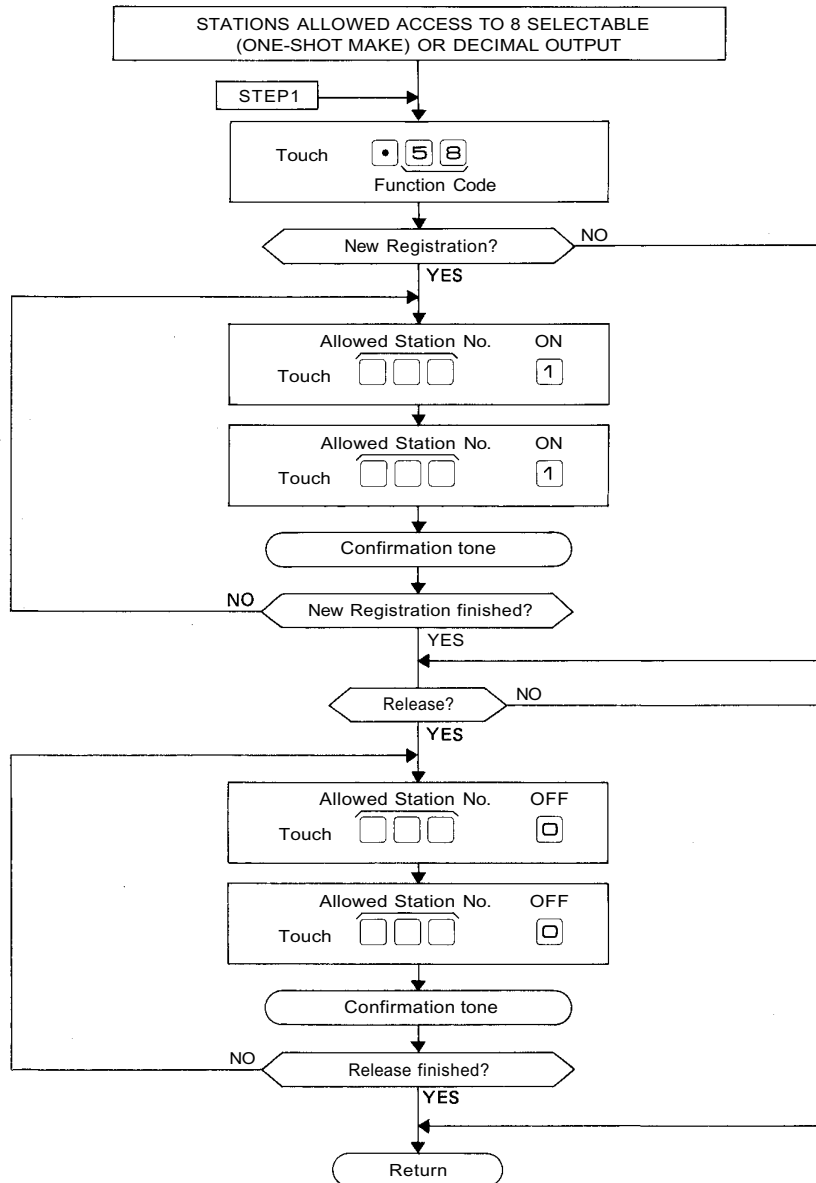
Touch ... (Confirmation tone will be heard.)
10 times

3. Re-start at Step 1 when mis-dialing occurs. (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,

Touch 5 8 PTT PTT ... PTT (Confirmation tone will be heard.)
10 times

Be sure to depress the PTT keys steadily.

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

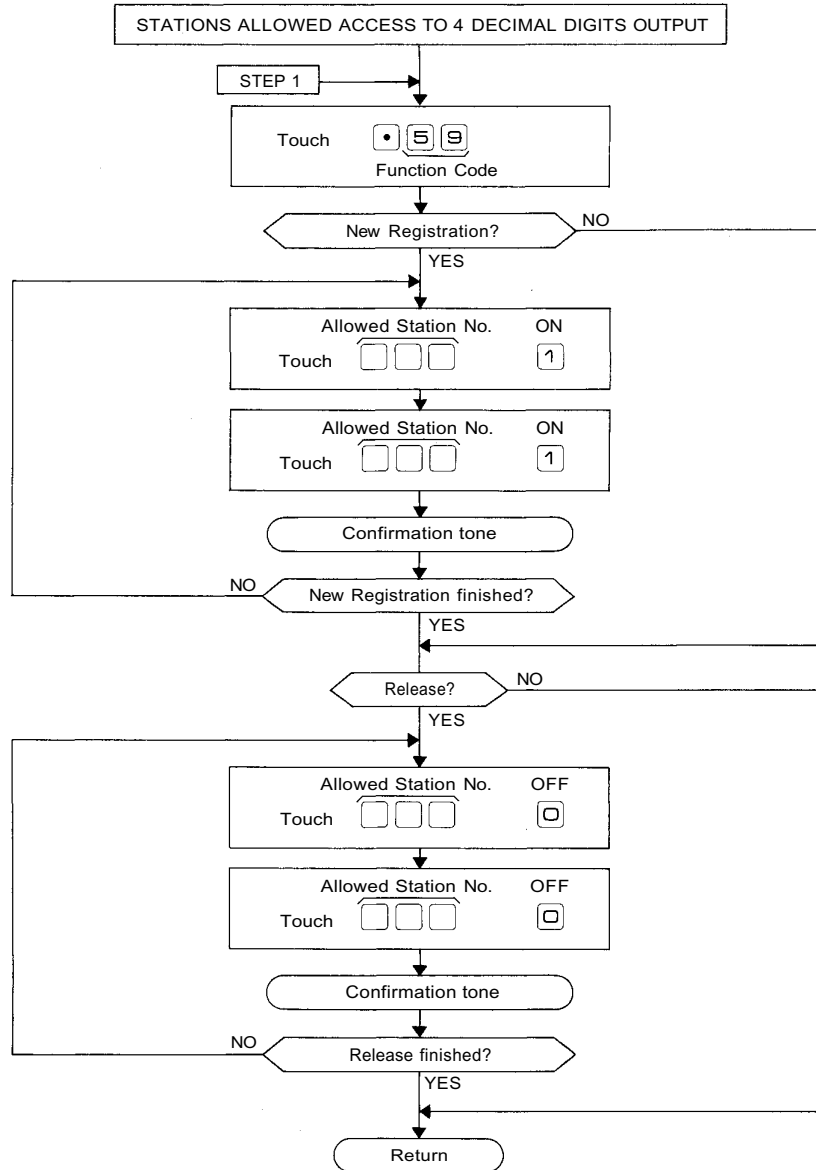
Touch 5 8 0 0 ... 0 (Confirmation tone will be heard.)
10 times

3. Re-start at Step 1 when mis-dialing occurs. (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".

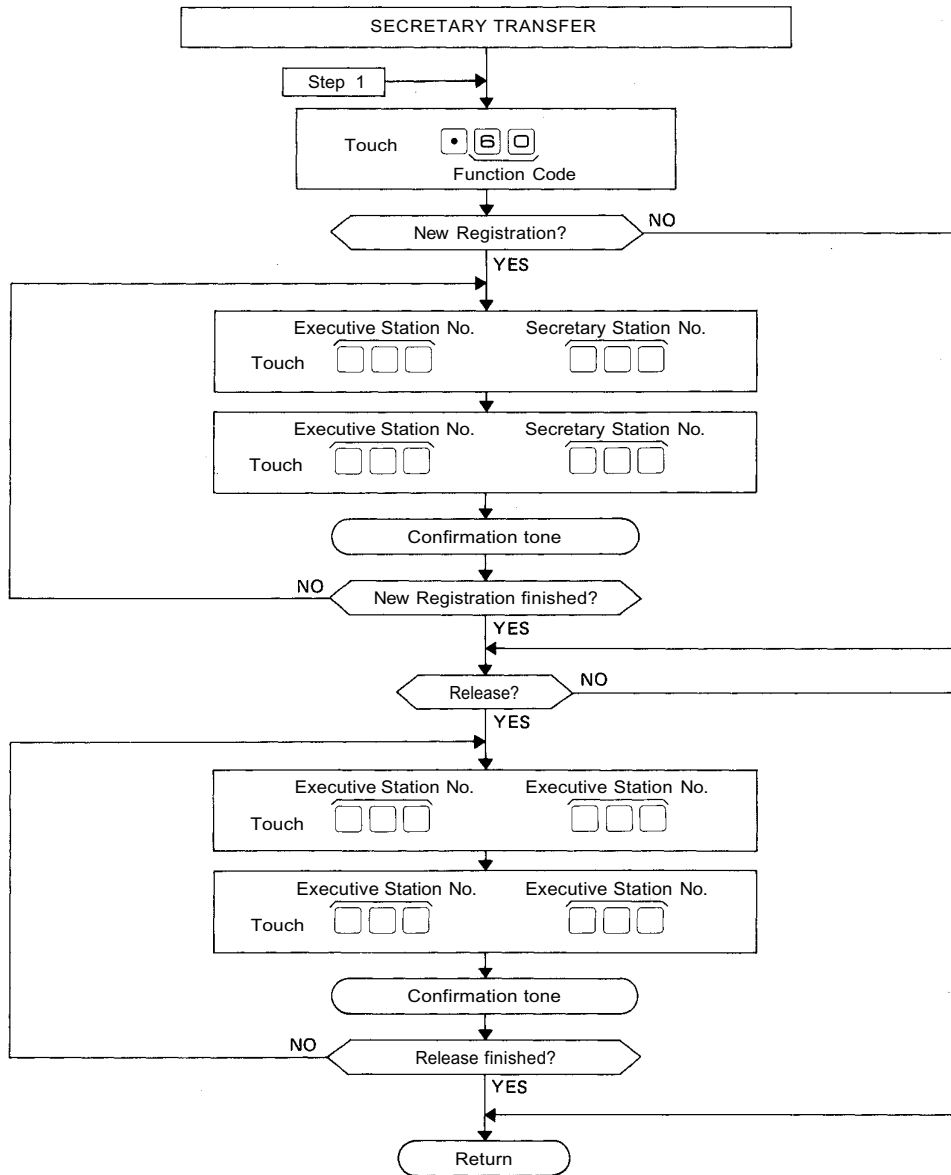
8-9 STATIONS ALLOWED ACCESS TO 4 DECIMAL DIGITS OUTPUT (FUNCTION CODE 59)



NOTES

- To allow all the stations to have this function,
Touch (Confirmation tone will be heard.)
Be sure to depress the keys steadily.
- 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.)
- 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".

8-10 SECRETARY TRANSFER (FUNCTION CODE 60)



NOTES

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

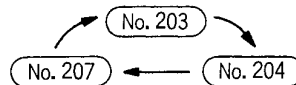
Touch 6 0 ... (Confirmation tone will be heard.)
10 times

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

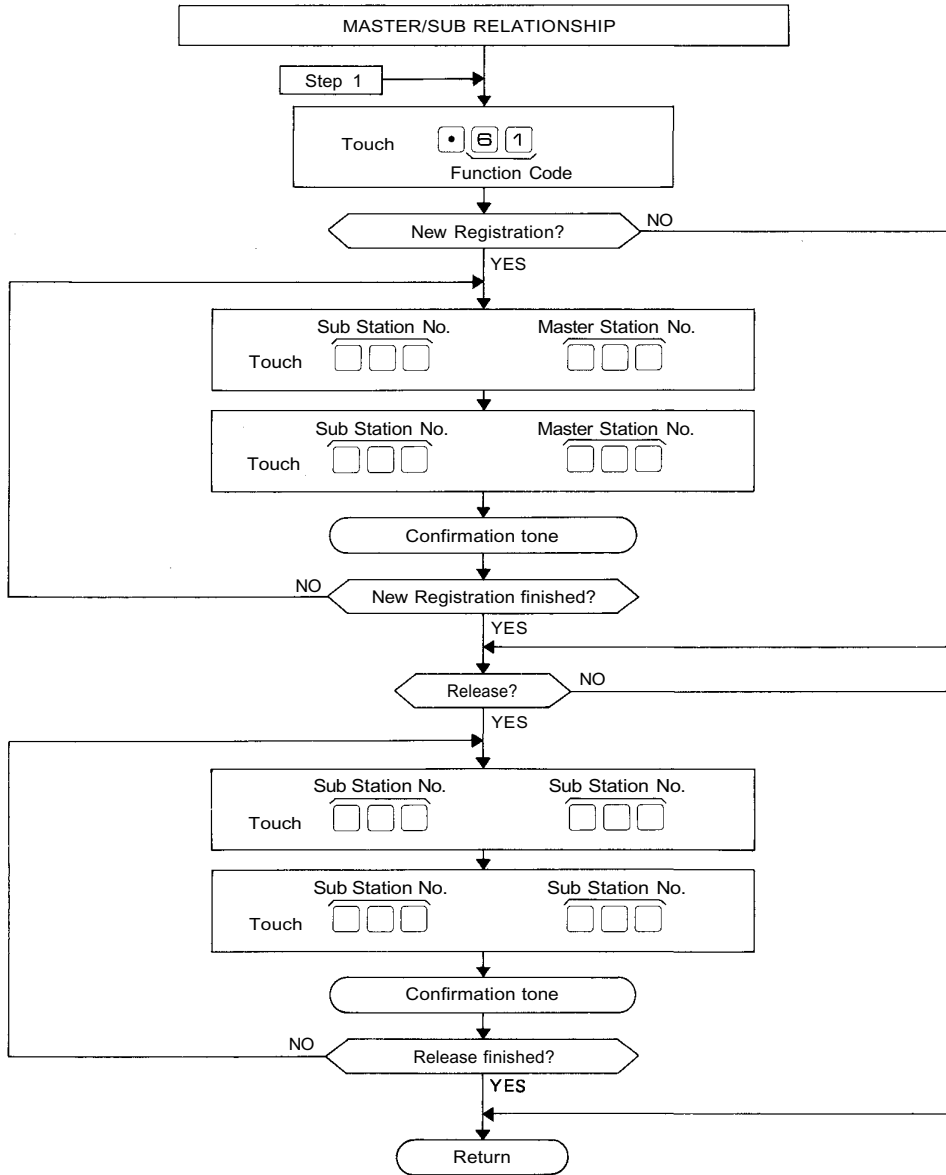
- Station No. should be 2 digits in length when 2 Digit Dialing function is employed.

- 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

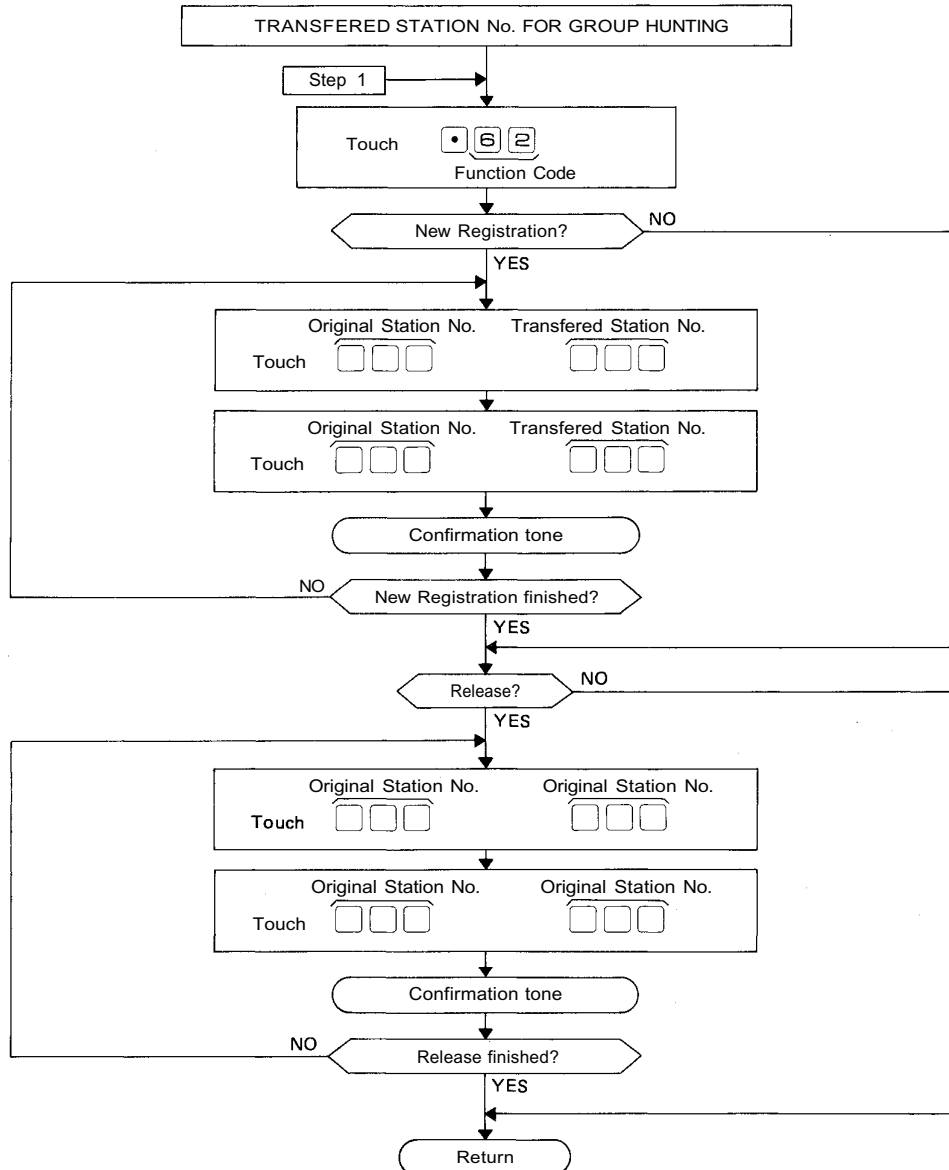
1. To release at one time the data programmed into all the stations for this function,

Touch * 6 1 (Confirmation tone will be heard.)
10 times

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

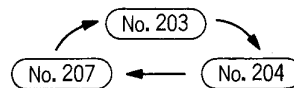
3. Station No. should be 2 digits in length when 2 Digit Dialing function is employed.

8-12 GROUP HUNTING (FUNCTION CODE 62)



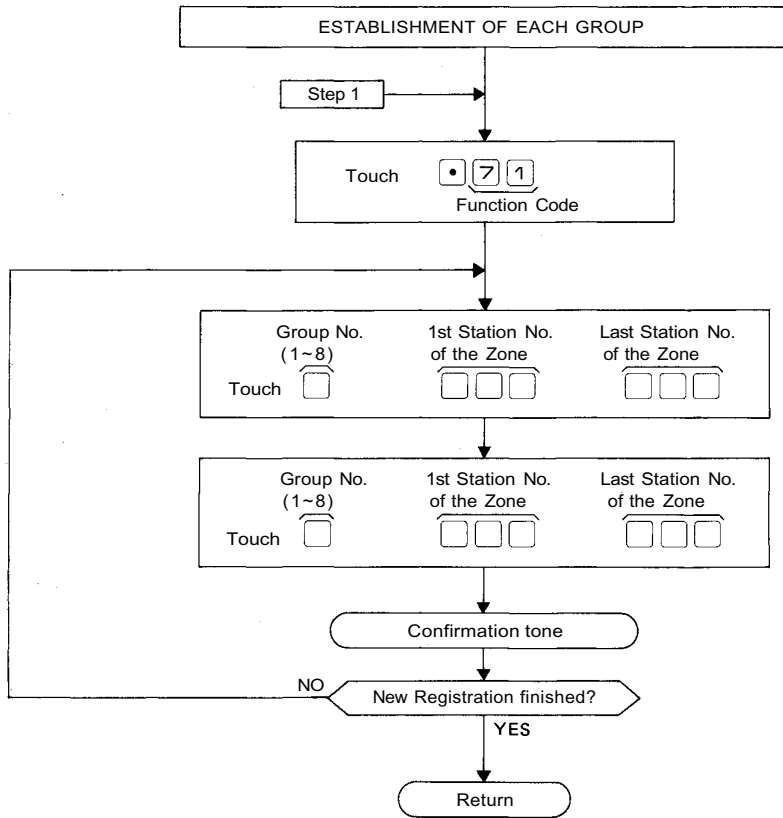
NOTES

- 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.)
10 times
- 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.
- Switch B-5 must be "ON" to employ this function.
- Programming of Group Hunting can be made in a daisy chain method. For their examples, refer to the following sketch.



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,

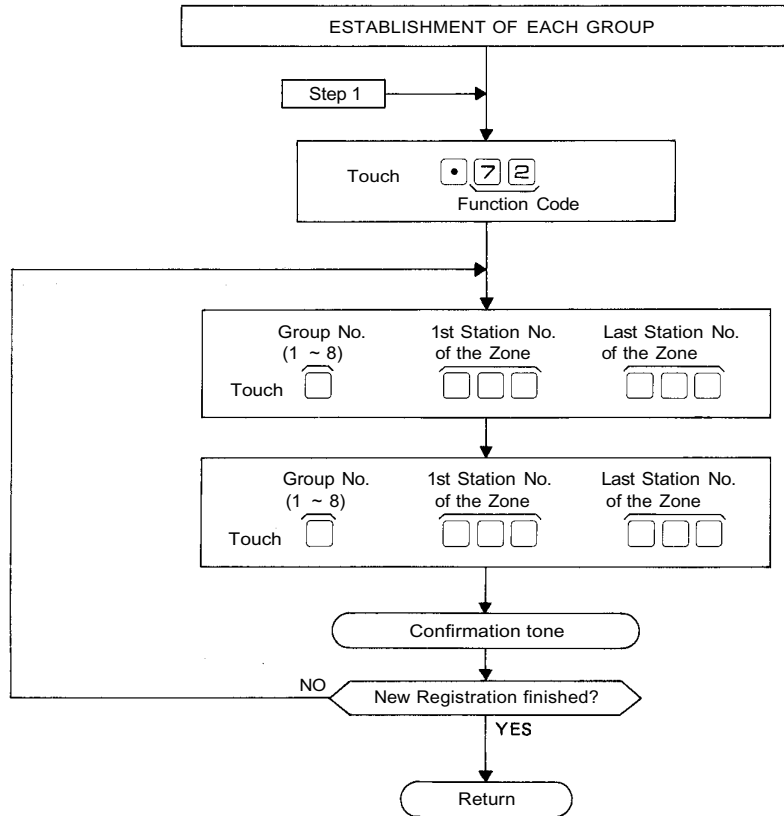
Touch • 7 1 □ □ ... □ (Confirmation tone will be heard.)
10 times

3. 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.


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

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



NOTES

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

Touch  (Confirmation tone will be heard.)
10 times

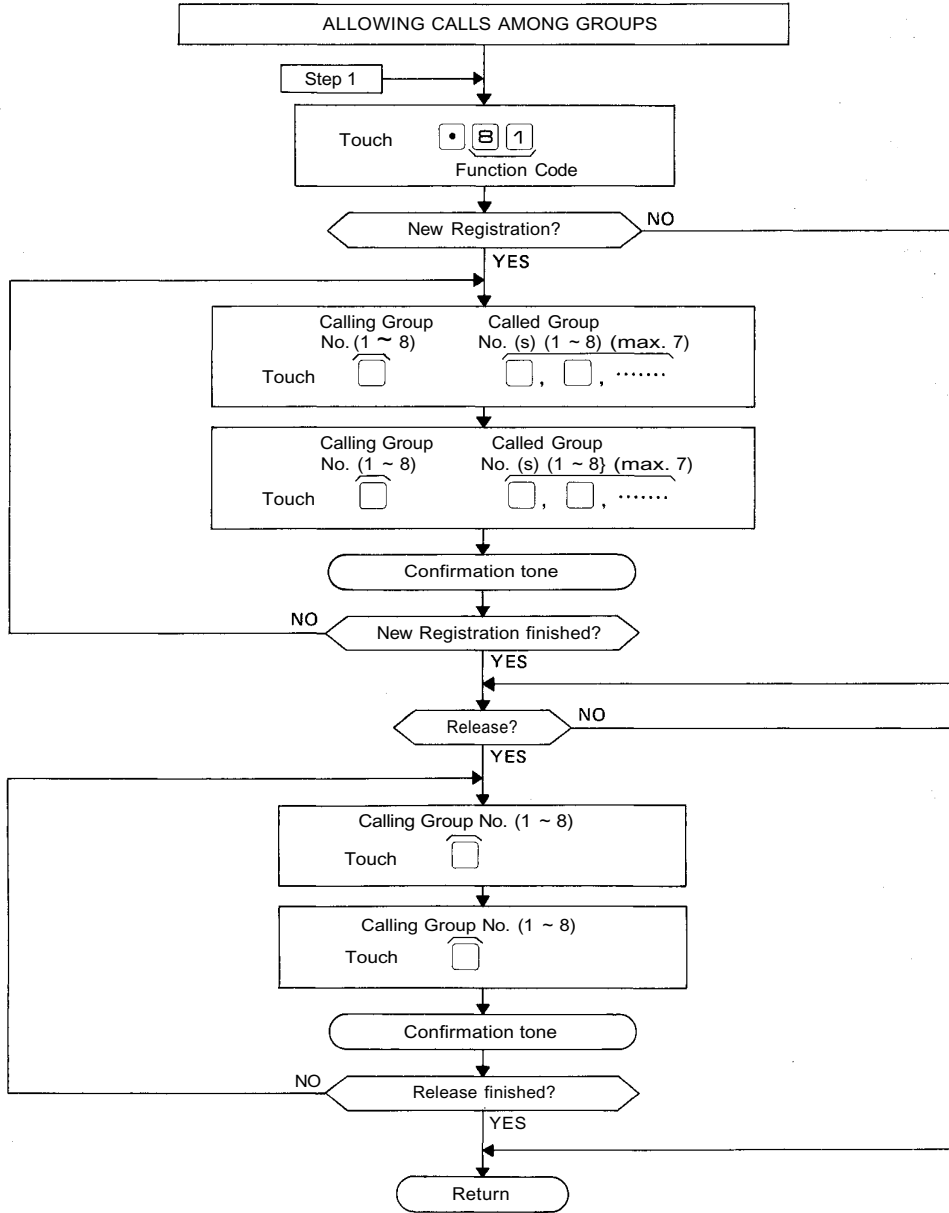
- Re-start at Step 1 when mis-dialing occurs.
(All other registrations remain valid.)

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

- 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.

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

GROUP BLOCKING 2

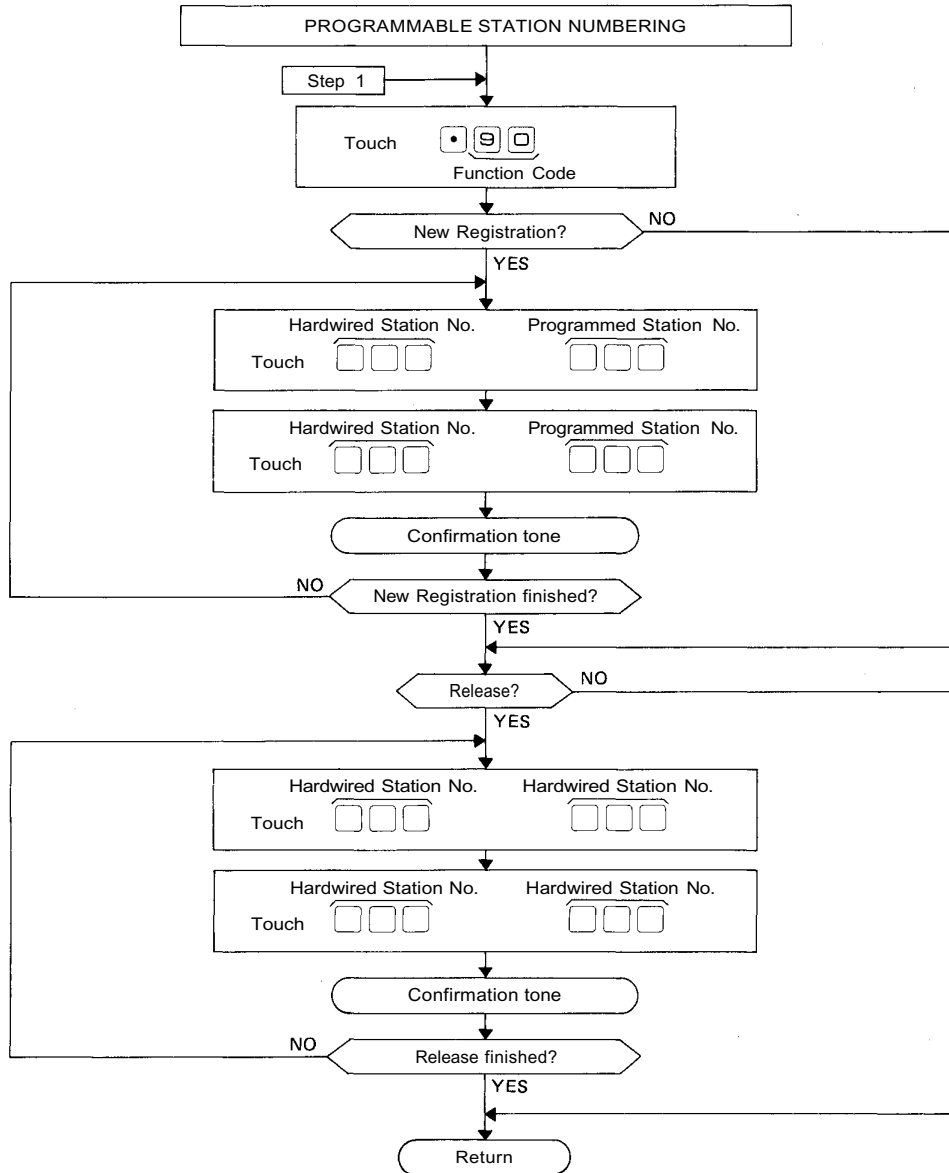


NOTES

1. To release at one time the data programmed into all the groups for this function,
Touch [* 8 1] [] [] [] (Confirmation tone will be heard.)
10 times
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.

8-19 PROGRAMMABLE STATION NUMBERING (FUNCTION CODE 90)

A. Programming of Single Station Number

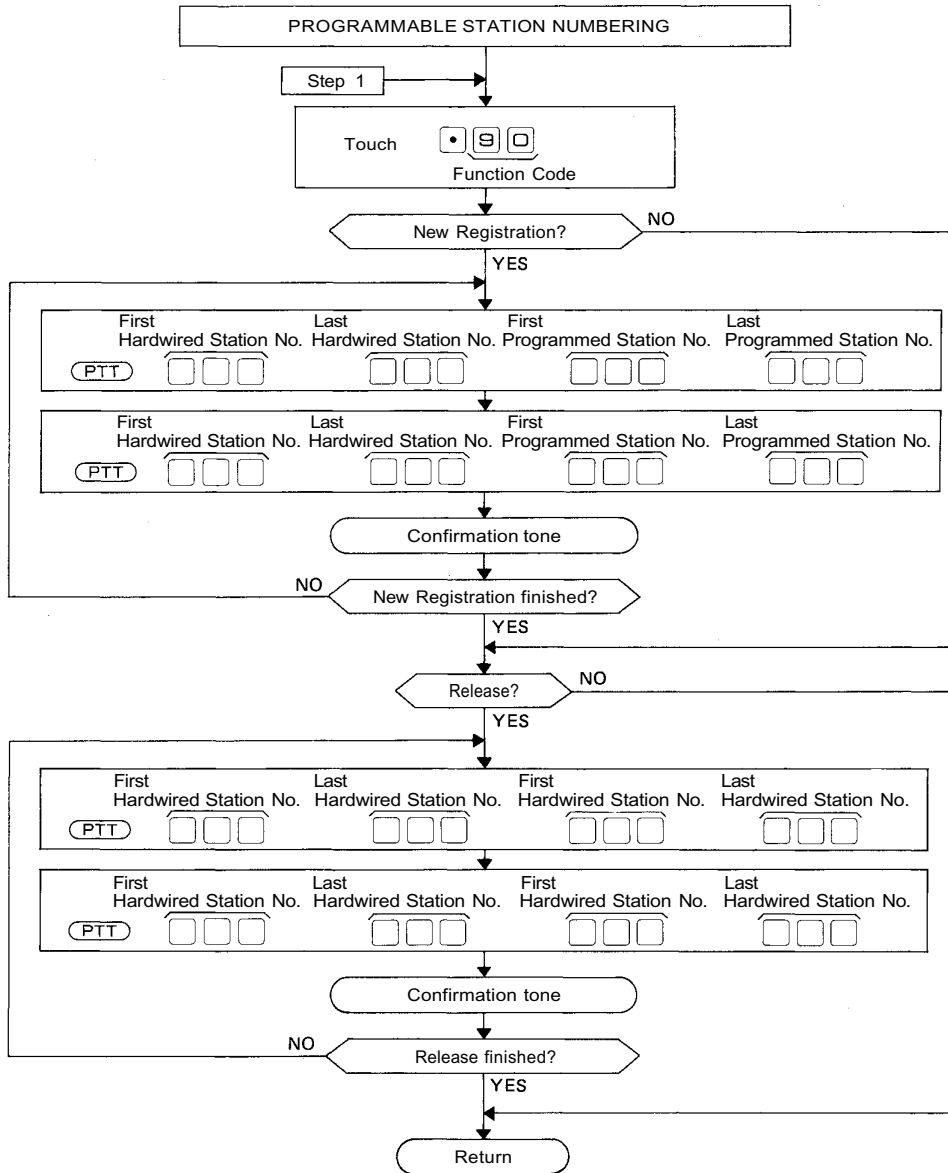


NOTES

- To release all registered Programmed Station No.'s at one time,
Touch [•] [◻/◻] [◻/◻] [◻/◻] [◻/◻] [◻/◻] [◻/◻] [◻/◻] [◻/◻] [◻/◻] [◻/◻] (Confirmation tone will be heard.)
10 times
- Re-start at Step 1 when mis-dialing occurs.
(All other registrations remain valid.)
- Any one Programmed Station No. cannot be assigned to more than one Hardwired Station.
- 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

- To release all registered Programmed Station No.'s at one time,
 Touch (Confirmation tone will be heard.)
 10 times
- Re-start at Step 1 when mis-dialing occurs.
 (All other registrations remain valid.)
- Any one Programmed Station No. cannot be assigned to more than one Hardwired Station.
- 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 Data	Note of Registration	Initial Programming
S	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.)
	Selection 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.)	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

< PROGRAMMING DATA TABLE 2 >

Function Table for Stations (1)

0 1 2 3 4 5 6 7 8 9
 X : 0-4 Station No. 1/0
 6-9
 0 1 2 3 4 5 6 7 8 9
 X : 0, 1, 2 Station No. (1st)
 The 1st Station No. *1
 0 1 2 3 4 5 6 7 8 9
 X : 0, 1, 2 Station No. (2nd)
 The Last Station No. *2

Function Group	Function	Function Code		Name
		Hardwired Station No.	With Personal No.	
A	50		100(10)	Executive Priority
	51		101(11)	Continuous Calling Tone
	52		102(12)	Stations Allowed Access to All Call
	53		103(13)	Stations Allowed Access to Conference
	54		104(14)	Automatic Access to Paging
	56		105(15)	Stations Allowed Access to One Shot Output
	57		106(16)	Stations Allowed Access to Make/Break Output
	58		107(17)	Stations Allowed Access to 1/8 Select (or Decimal) Output
	59		108(18)	Stations Allowed Access to 4 Decimal Digits Output
	B	60		109(19)
61			110(20)	Master Station No. *1
62			111(21)	Transferred Station No. for Group Hunting *1
C	70		112(22)	Paging Zone No.
	71		113(23)	Group No. for Group Blocking
E	72		114(24)	Group No. for Calling Party Indication
	90		115(25)	Programmed Station No.
1		200(20)	100(10)	
		201(21)	101(11)	
2		202(22)	102(12)	
		203(23)	103(13)	
3		204(24)	104(14)	
		205(25)	105(15)	
4		206(26)	106(16)	
		207(27)	107(17)	
5		208(28)	108(18)	
		209(29)	109(19)	
6		210(30)	110(20)	
		211(31)	111(21)	
7		212(32)	112(22)	
		213(33)	113(23)	
8		214(34)	114(24)	
		215(35)	115(25)	
9		216(36)	116(26)	
		217(37)	117(27)	
0		218(38)	118(28)	
		219(39)	119(29)	
1		220(40)	120(30)	
		221(41)	121(31)	
2		222(42)	122(32)	
		223(43)	123(33)	
3		224(44)	124(34)	
		225(45)	125(35)	
4		226(46)	126(36)	
		227(47)	127(37)	
5		228(48)	128(38)	
		229(49)	129(39)	
6		230(50)	130(40)	
		231(51)	131(41)	
7		232(52)	132(42)	
		233(53)	133(43)	
8		234(54)	134(44)	
		235(55)	135(45)	
9		236(56)	136(46)	
		237(57)	137(47)	
0		238(58)	138(48)	
		239(59)	139(49)	
1		240(60)	140(50)	
		241(61)	141(51)	
2		242(62)	142(52)	

*1: Hardwired Station No. *2: Programmed Station No.

<PROGRAMMING DATA TABLE 3>
Function Table for Stations (2)

Function Group	Function		Name
	Function Code	Hardwired Station No.	
A	50	Executive Priority	243(63) 143(53)
	51	Continuous Calling Tone	244(64) 144(54)
	52	Stations Allowed Access to All Call	245(65) 145(55)
	53	Stations Allowed Access to Conference	246(66) 146(56)
	54	Automatic Access to Paging	247(67) 147(57)
	56	Stations Allowed Access to One Shot Output	248(68) 148(58)
	57	Stations Allowed Access to Make/Break Output	249(69) 149(59)
	58	Stations Allowed Access to 1/8 Select (or Decimal) Output	250(70) 150(60)
	59	Stations Allowed Access to 4 Decimal Digits Output	251(71) 151(61)
	60	Secretary Station No. *1	252(72) 152(62)
B	61	Master Station No. *1	253(73) 153(63)
	62	Transferred Station No. for Group Hunting *1	254(74) 154(64)
	70	Paging Zone No.	255(75) 155(65)
C	71	Group No. for Group Blocking	256(76) 156(66)
	72	Group No. for Calling Party Indication	257(77) 157(67)
E	90	Programmed Station No.	258(78) 158(68)
			259(79) 159(69)
			260(80) 160(70)
			261(81) 161(71)
			262(82) 162(72)
			263(83) 163(73)
			264(84) 164(74)
			265(85) 165(75)
			266(86) 166(76)
			267(87) 167(77)
			268(88) 168(78)
			269(89) 169(79)
			270(90) 170(80)
			271(91) 171(81)
			272(92) 172(82)
			273(93) 173(83)
			274(94) 174(84)
			275(95) 175(85)
			276(96) 176(86)
			277(97) 177(87)
			278(98) 178(88)
			279(99) 179(89)
			280 180(90)
			281 181(91)
			282 182(92)
			283 183(93)
			284 184(94)
			285 185(95)

(EX-610)

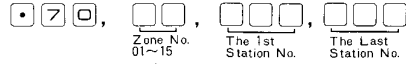
For Paging Unit



*1: Hardwired Station No. *2: Programmed Station No.

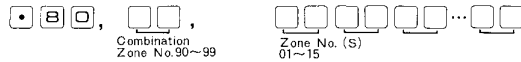
<PROGRAMMING DATA TABLE 5>

Paging Priority and/or Paging Response Table



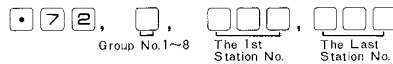
Function Code 70	Station Paging Zone		First Station No.	Last Station No.	For Paging Priority	For Paging Response
	Department	No.				
		01				
		02				
		03				
		04				
		05				
		06				
		07				
		08				
		09				
		10				
		11				
		12				
		13				
		14				
	15					

Combination Paging Table



Function Code 80	Selected Paging Zone	Department																
	Combination Paging Zone																	
	Department	No.	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
		90																
		91																
		92																
		93																
		94																
		95																
		96																
		97																
	98																	
	99																	

Station Numbers Table for Calling Party Indication (Lamp Type)



Function Code 72	Calling Party Indication		First Station No.	Last Station No.
	Name	Group No.		
		1		
		2		
		3		
		4		
		5		
		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.

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

1. Connect the DT-E11 and DR-B61 to Exchange correctly. (Refer to operation manuals of DT-E11 and DR-B61).
2. 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.
3. 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

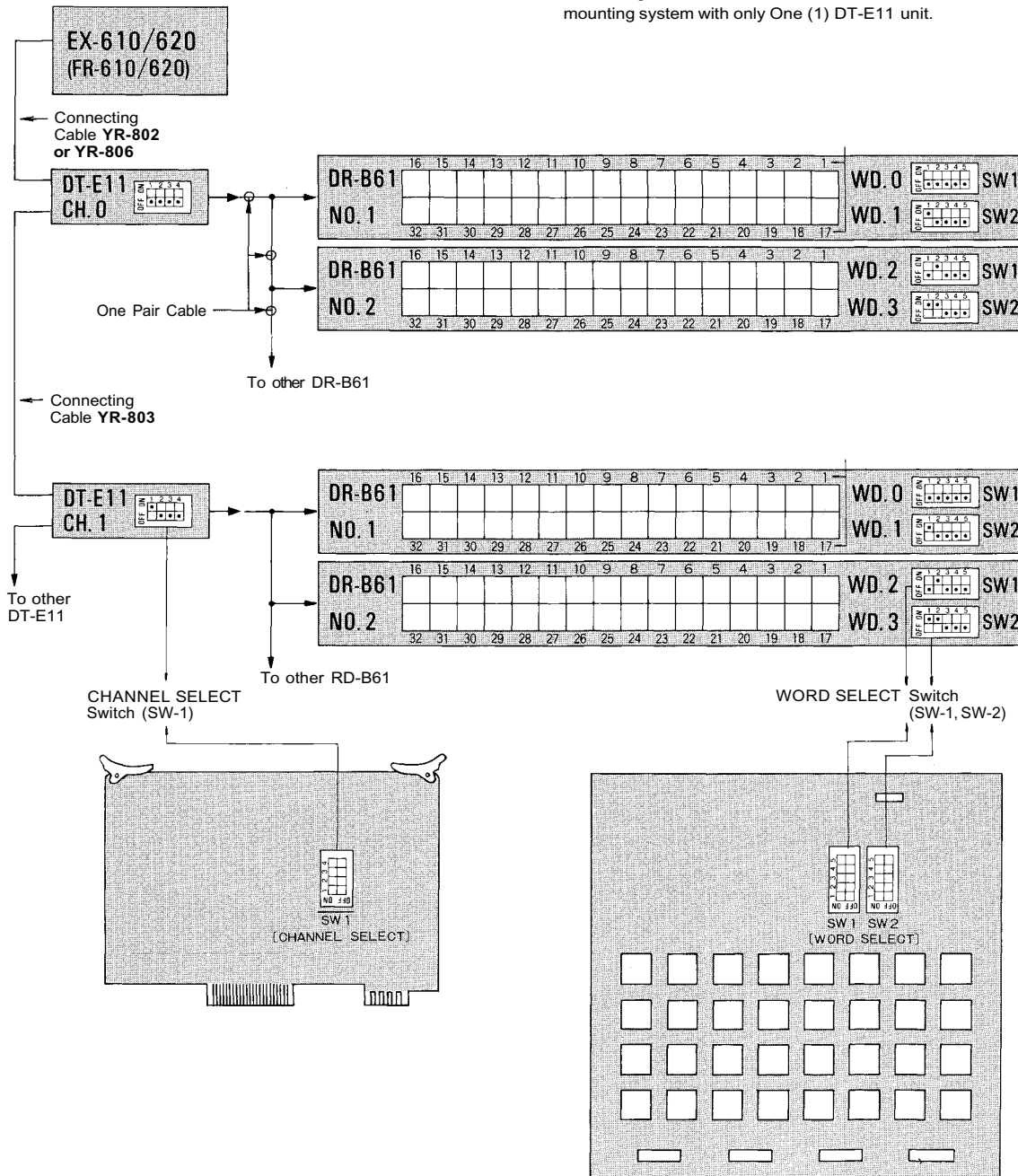
necessary functions such as IN/OUT Annunciation, Calling Party Indication etc, and replace in the Unit.

(Refer to 13. Explanation of Data Transmitting Unit Output Channels, Page 50).

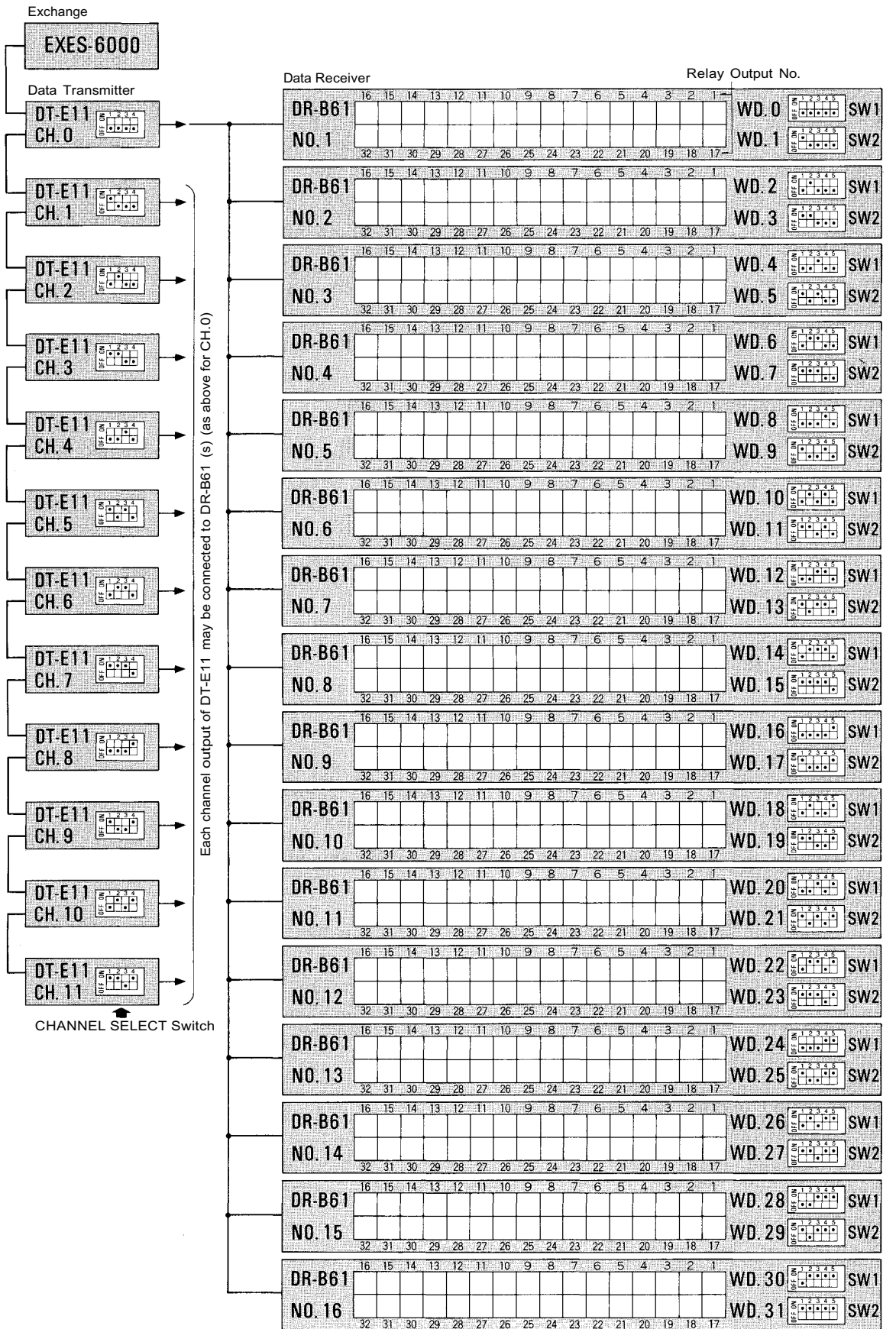
4. The DT-E11 sends out 512 bit data (16 bit x 32 words) to control relays on Data Receiving Unit (DR-B61). Therefore set the two word select switches on DR-B61, according to necessary output mode. SW-1 is for Relay No.1 to No.16 and SW-2 is for Relay No.17 to No.32. See Page 51 for details.

(Refer to Explanation of Date Receiving Unit Output Channels.)

5. Connecting Cable YR-802 is used for the Rack mounting system. Connecting Cable YR-806 is used for the Standard Cabinet mounting system with only One (1) DT-E11 unit.



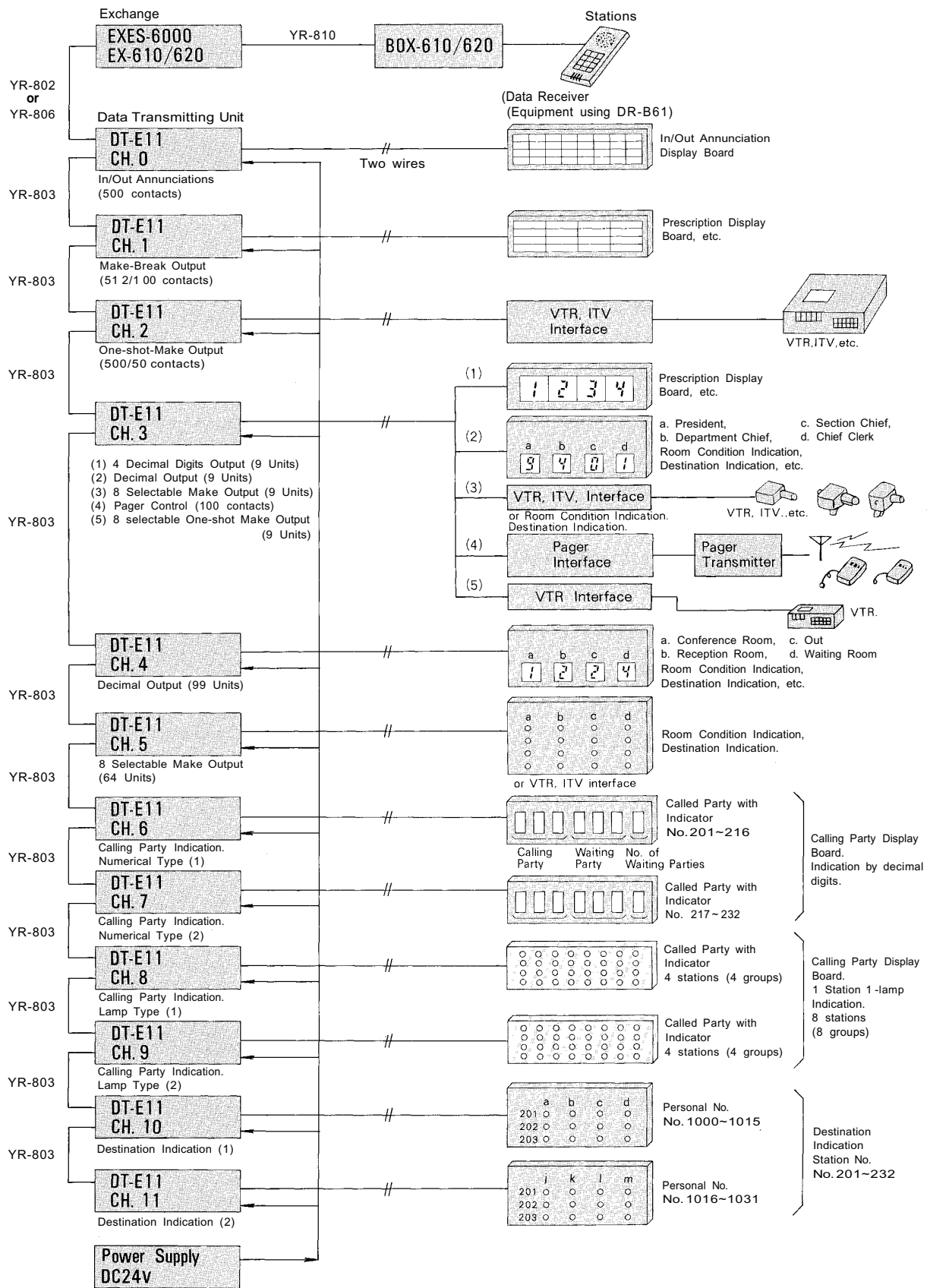
11. DIP SWITCH TABLE FOR DATA TRANSMITTING AND RECEIVING UNITS



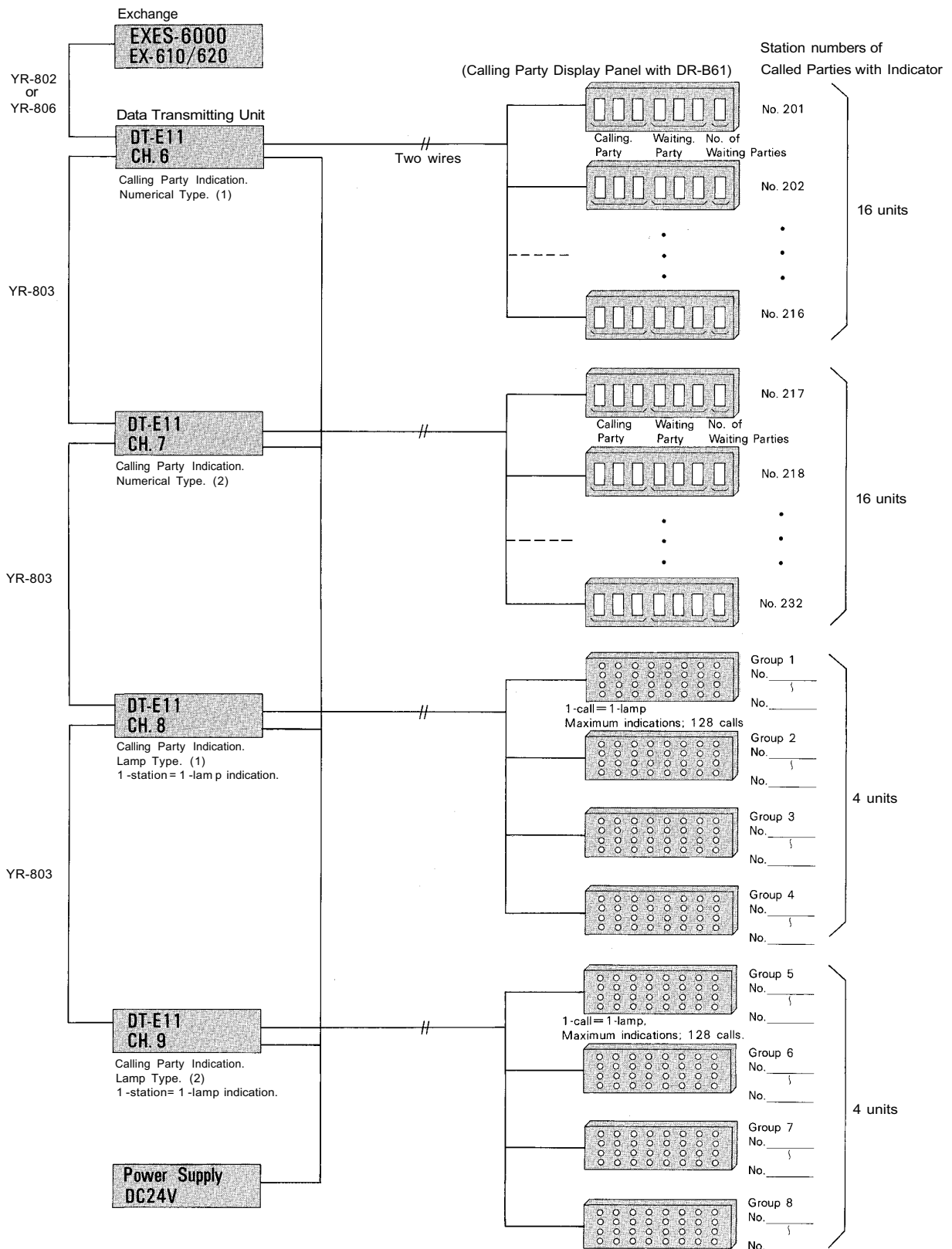
Note: shows the Head of a Slide Switch

WORD SELECT Switch













12. SYSTEM DIAGRAM OF DATA TRANSMITTING AND RECEIVING UNITS



Enlarged Block Diagram of Calling Party Indication



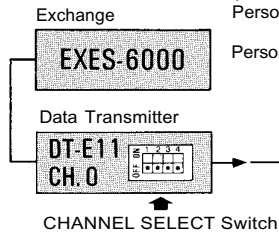
13. EXPLANATION OF DATA TRANSMITTING UNIT OUTPUT CHANNELS

CHANNEL SELECTION	FUNCTIONS	DESCRIPTION	APPLICATION
DT-E11 CH. 0 	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 CH. 1 	Make/Break Output (512/100 contacts)	Make/Break contacts can be available at any Master station.	• Door Remote • IN/OUT Annunciation
DT-E11 CH. 2 	One-shot Make Output (500/50 contacts)	One-shot make contacts can be available at any Master station.	• ITV camera select • VTR control
DT-E11 CH. 3 	(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
	(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 CH. 5 	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 indicated until the conversation is over and also when the called station is busy or in privacy.	• The number of called stations are No.201~No.216.
DT-E11 CH. 7 	Calling Party Indication Numerical-type (2)		• The number of called stations are No.217~No.232.
DT-E11 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 numbers of called stations having an indication panel can be programmed at No.200 station.	• The group number of called station(s). No.1~4
DT-E11 CH. 9 	Calling Party Indication (One Station; One Lamp)		• 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 the registration was made can be indicated by the lamp.	• Personal number No.1000~ 1015
DT-E11 CH. 11 	Destination Indication (2)		• Personal number No.1016~1032

14. EXPLANATION OF DATA RECEIVING UNIT OUTPUT CHANNELS

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

(Dial Operation)
 Personal Number Registration (●) 6 1 X X X (Relay Make) XXX: 000 ~ 499 (500 Contacts)
 Personal Number Cancellation (●) 1 X X X (Relay Break)

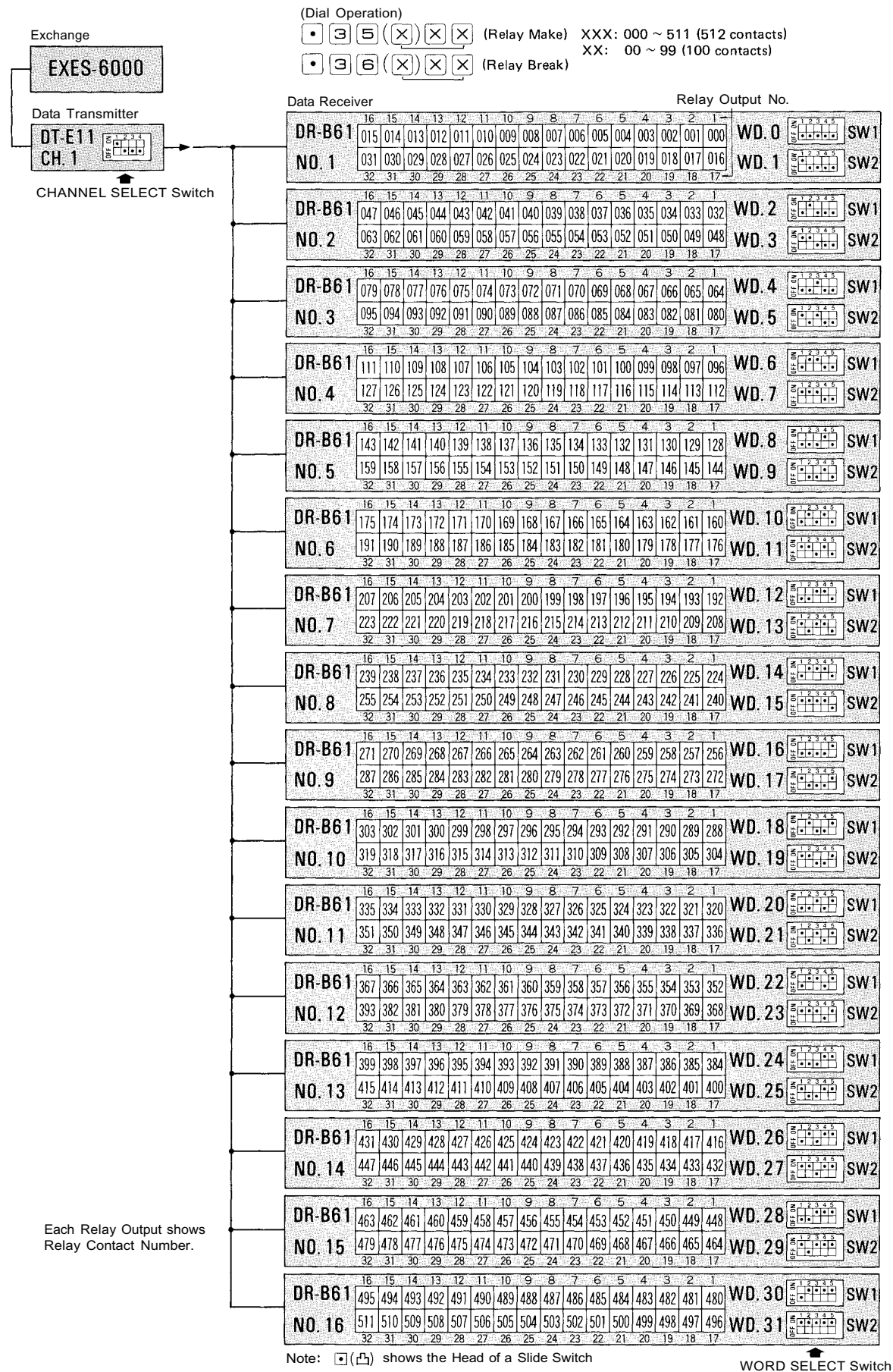


		Date Receiver																Relay Output No.	
		16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 0	SW1
DR-B61 NO. 1	015	014	013	012	011	010	009	008	007	006	005	004	003	002	001	000	WD. 1	SW2	
	031	030	029	028	027	026	025	024	023	022	021	020	019	018	017	016			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 2	047	046	045	044	043	042	041	040	039	038	037	036	035	034	033	032	WD. 2	SW1	
	063	062	061	060	059	058	057	056	055	054	053	052	051	050	049	048			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 3	079	078	077	076	075	074	073	072	071	070	069	068	067	066	065	064	WD. 4	SW1	
	095	094	093	092	091	090	089	088	087	086	085	084	083	082	081	080			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 4	111	110	109	108	107	106	105	104	103	102	101	100	099	098	097	096	WD. 6	SW1	
	127	126	125	124	123	122	121	120	119	118	117	116	115	114	113	112			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 5	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	WD. 8	SW1	
	159	158	157	156	155	154	153	152	151	150	149	148	147	146	145	144			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 6	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	WD. 10	SW1	
	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 7																	WD. 12	SW1	
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 8																	WD. 14	SW1	
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 9																	WD. 16	SW1	
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 10	295	294	293	292	291	290	289	288	287	286	285	284	283	282	281	280	WD. 18	SW1	
	311	310	309	308	307	306	305	304	303	302	301	300	299	298	297	296			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 11	327	326	325	324	323	322	321	320	319	318	317	316	315	314	313	312	WD. 20	SW1	
	343	342	341	340	339	338	337	336	335	334	333	332	331	330	329	328			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 12	359	358	357	356	355	354	353	352	351	350	349	348	347	346	345	344	WD. 22	SW1	
	375	374	373	372	371	370	369	368	367	366	365	364	363	362	361	360			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 13	391	390	389	388	387	386	385	384	383	382	381	380	379	378	377	376	WD. 24	SW1	
	407	406	405	404	403	402	401	400	399	398	397	396	395	394	393	392			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 14	423	422	421	420	419	418	417	416	415	414	413	412	411	410	409	408	WD. 26	SW1	
	439	438	437	436	435	434	433	432	431	430	429	428	427	426	425	424			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 15	455	454	453	452	451	450	449	448	447	446	445	444	443	442	441	440	WD. 28	SW1	
	471	470	469	468	467	466	465	464	463	462	461	460	459	458	457	456			
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		
DR-B61 NO. 16																	WD. 30	SW1	
		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17		

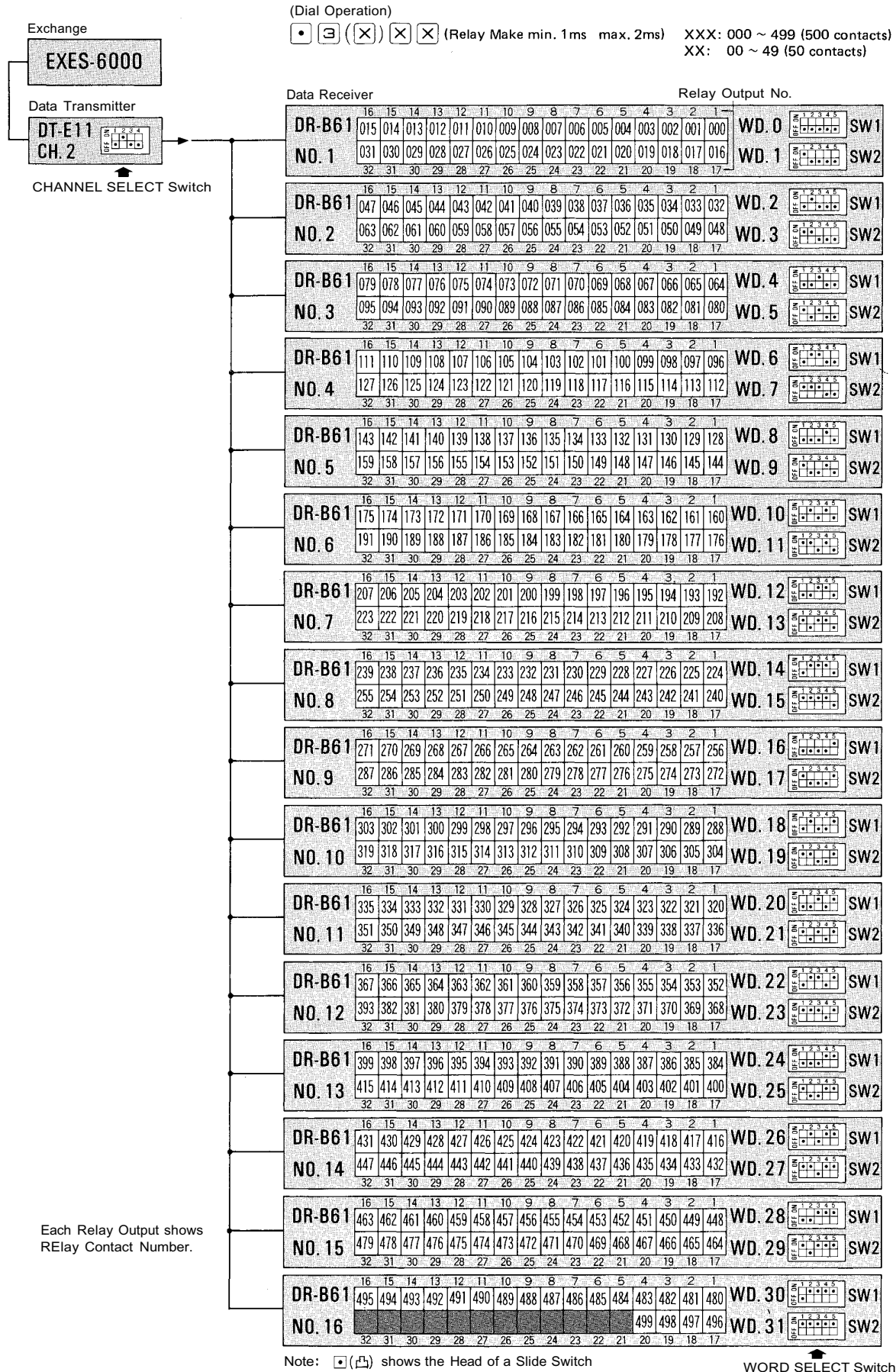
Each Relay Output shows last 3 digits (xxx) of Personal Number

Note: (□) shows the Head of a Slide Switch WORD SELECT Switch

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

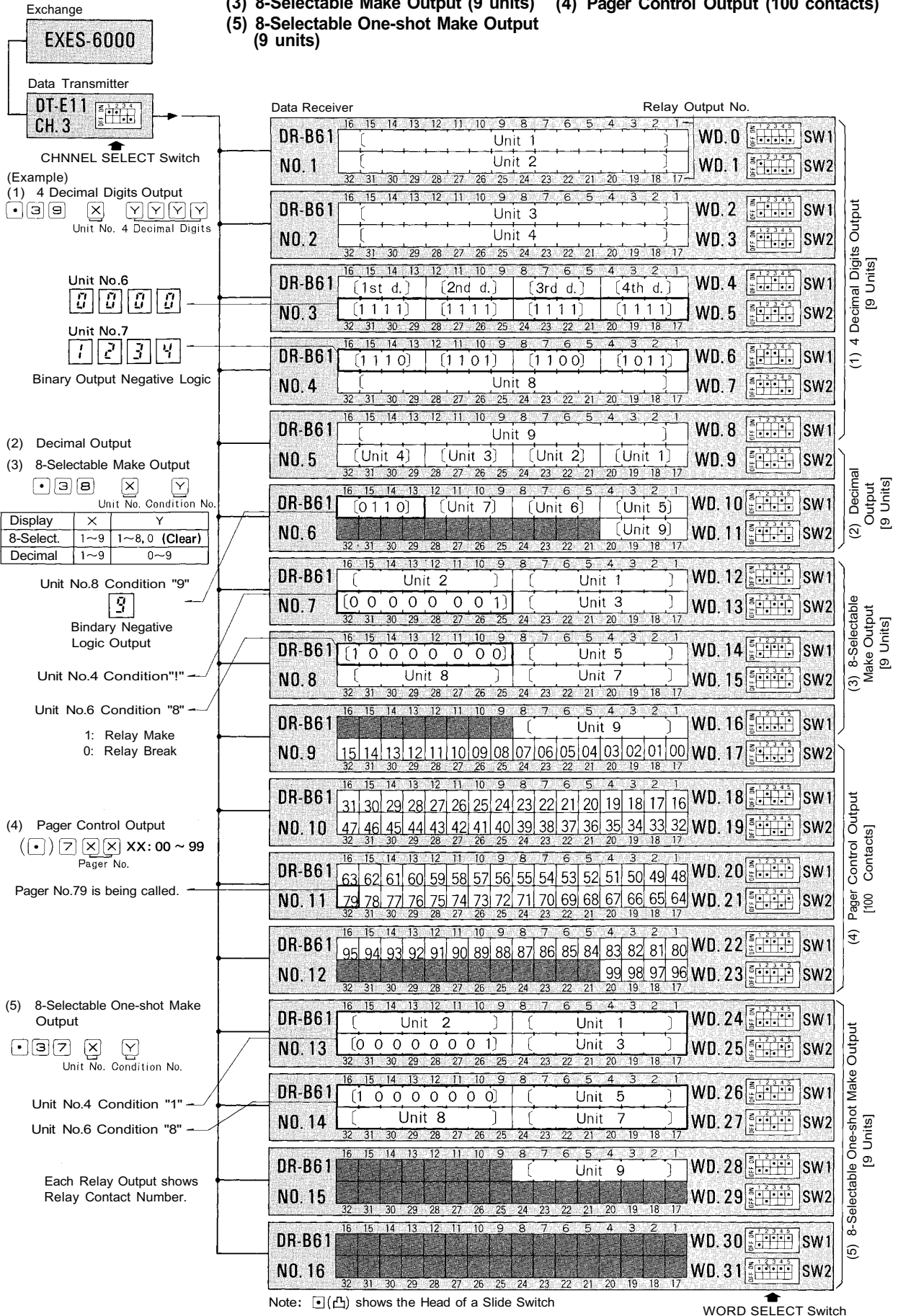


14-3 Channel 2 (CH. 2) One-Shot Make Output

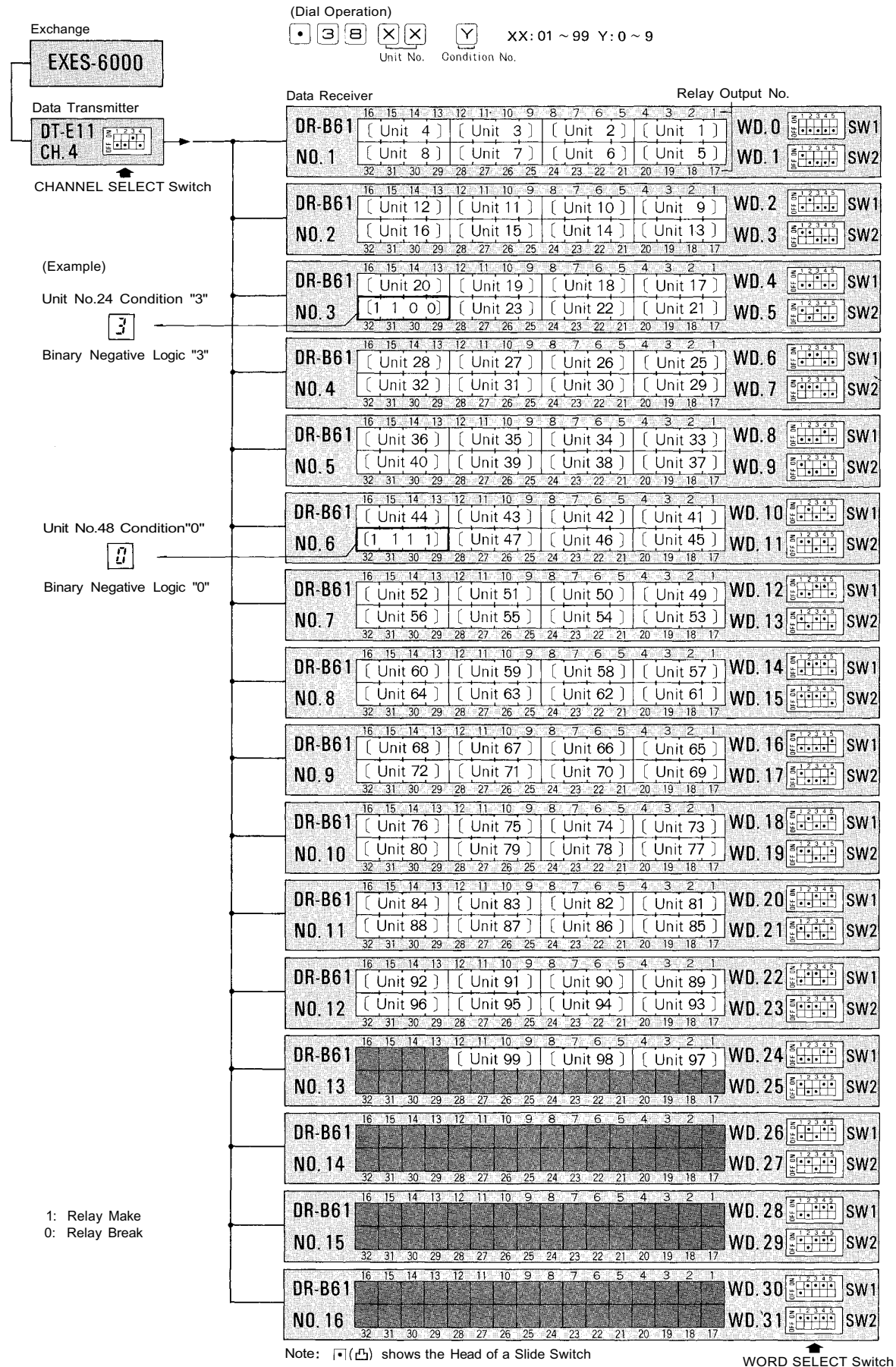


14-4 Channel 3 (CH. 3)

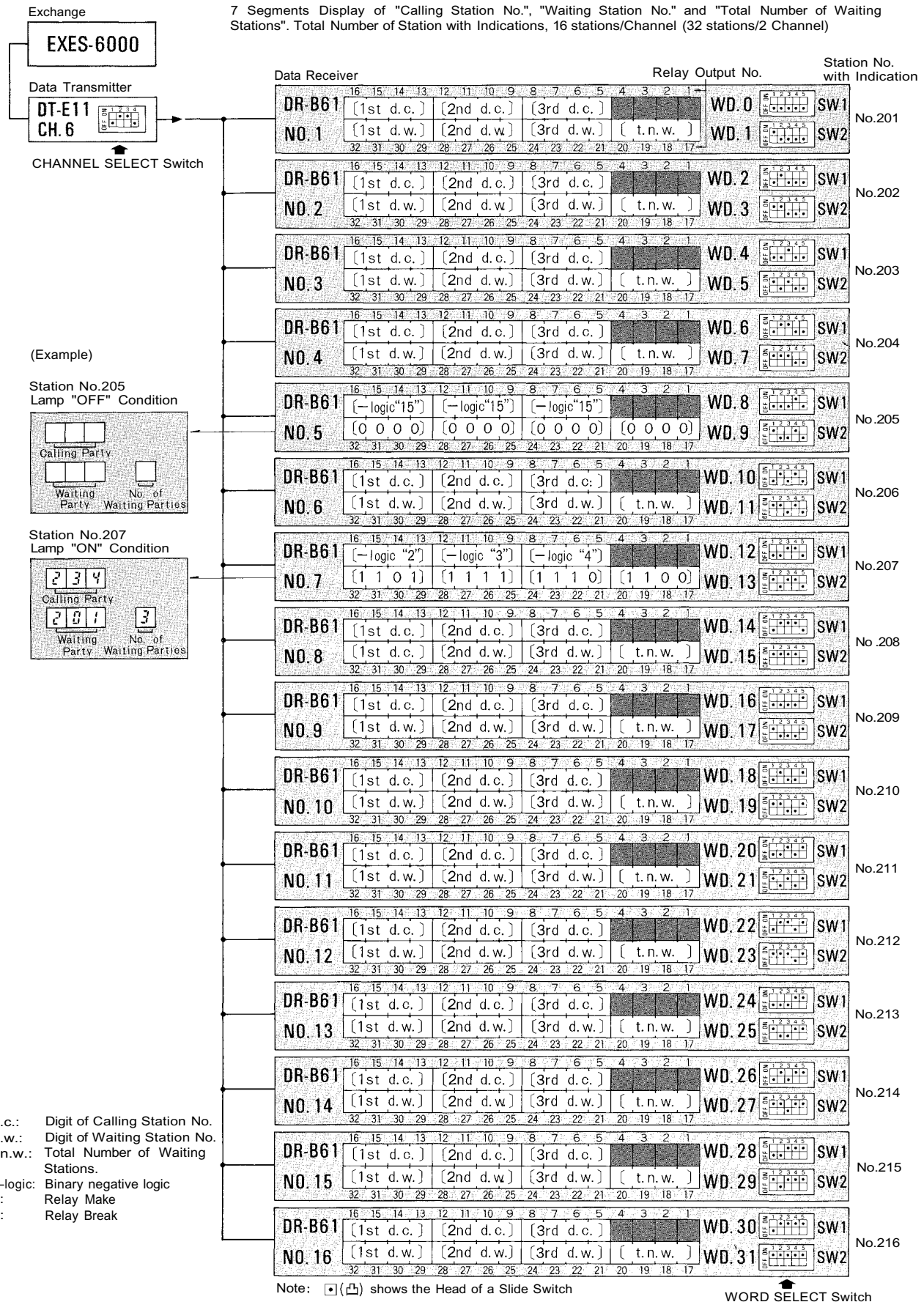
- (1) 4 Decimal Digits Output (9 units)
- (2) Decimal Output (9 units)
- (3) 8-Selectable Make Output (9 units)
- (4) Pager Control Output (100 contacts)
- (5) 8-Selectable One-shot Make Output (9 units)



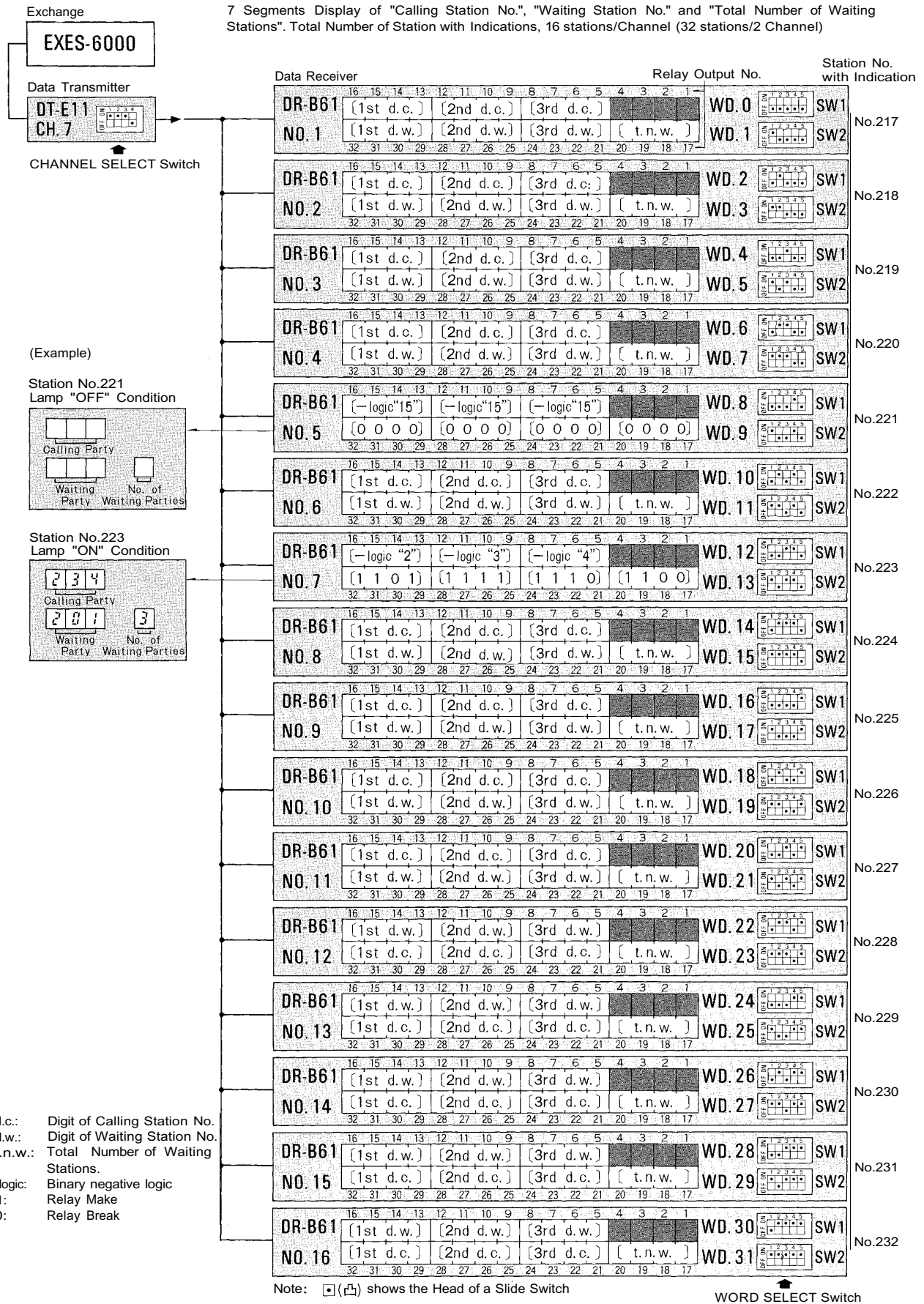
14-5 Channel 4 (CH. 4) Decimal Output (99 Units)



14-7 Channel 6 (CH. 6) Calling Party Indication Numerical Type (1)

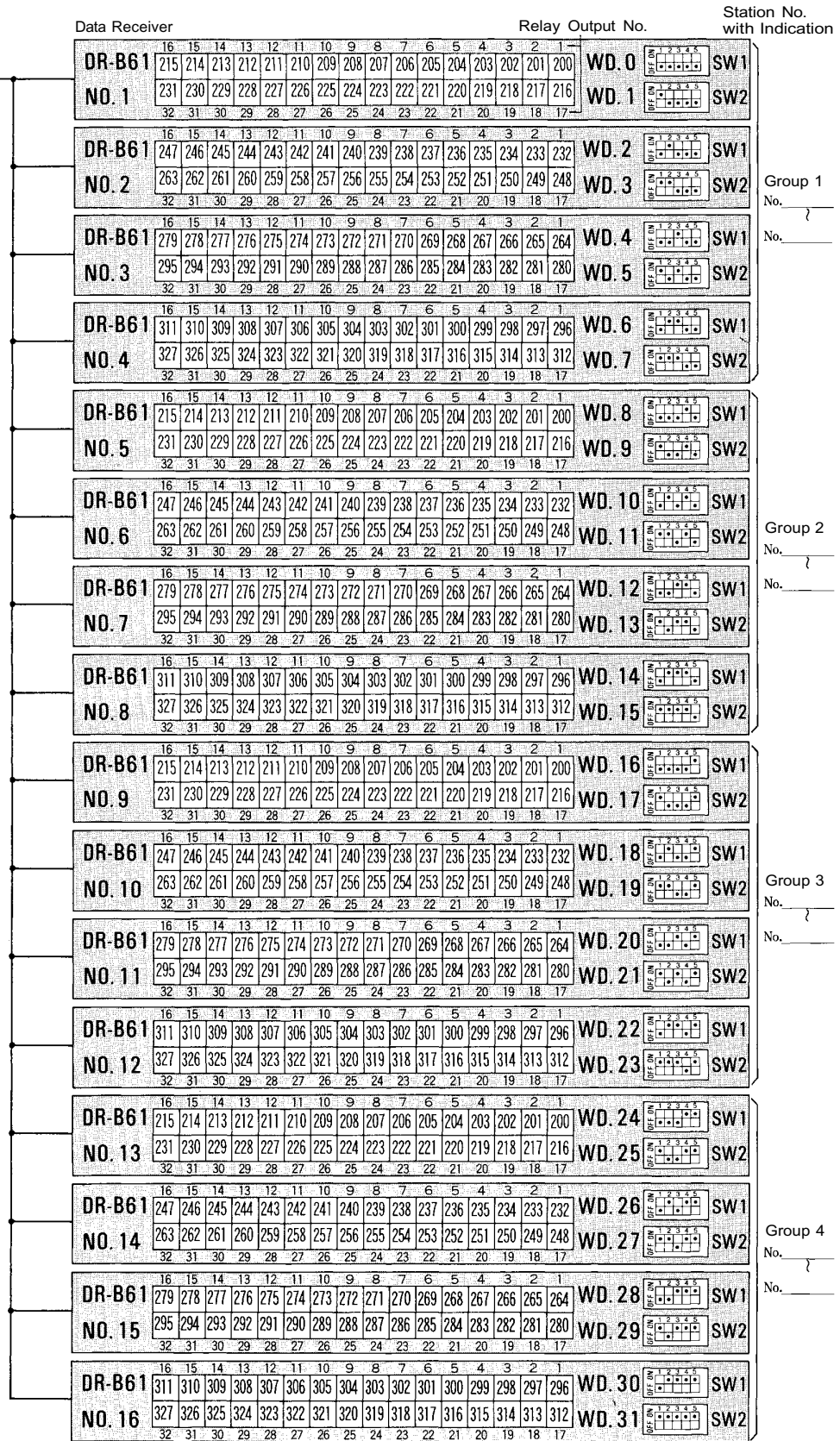
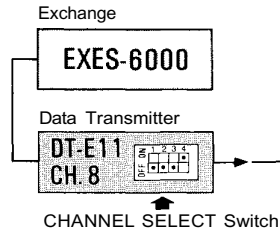


14-8 Channel 7 (CH. 7) Calling Party Indication Numerical Type (2)



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

Each "Calling Station" or "Waiting Station" is shown by Each Lamp of Indication.
 Total Number of Station with Indications: 4 Stations/Channel (8 Stations/2 Channels)
 Total Number of Calling Stations: Max. 128 Stations/Each Indication

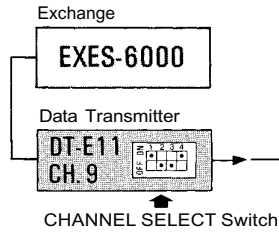


Each Relay Output shows "Calling Station No."

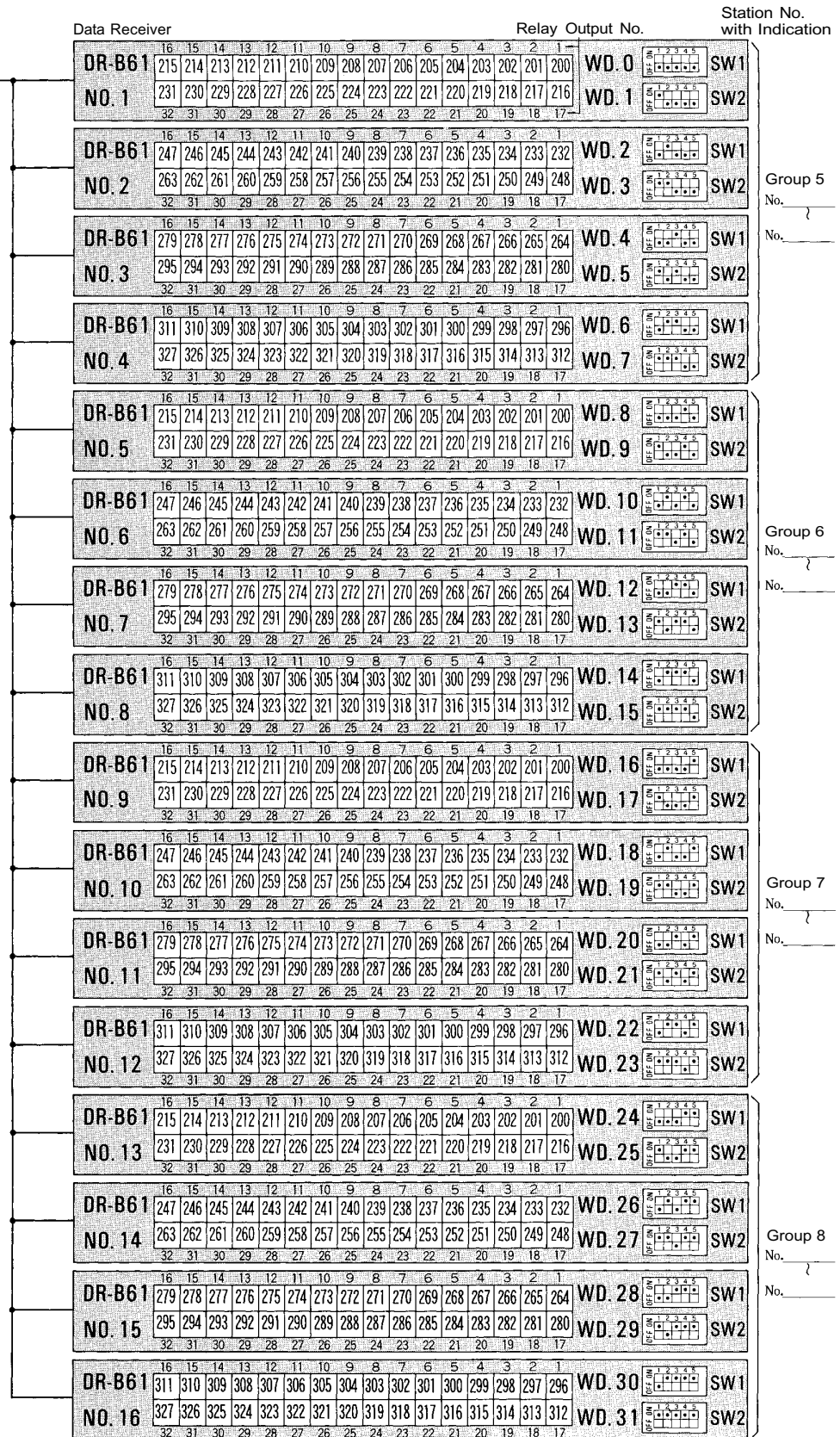
Note: □ (⏏) shows the Head of a Slide Switch

WORD SELECT Switch

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



Each "Calling Station" or "Waiting Station" is shown by Each Lamp of Indication.
 Total Number of Station with Indications: 4 Stations/Channel (8 Stations/2 Channels)
 Total Number of Calling Stations: Max. 128 Stations/Each Indication



Each Relay Output shows "Calling Station No."

Note: □ (▢) shows the Head of a Slide Switch

WORD SELECT Switch

14-11 Channel 10 (CH. 10) Destination Indication (1)

(Dial Operation)

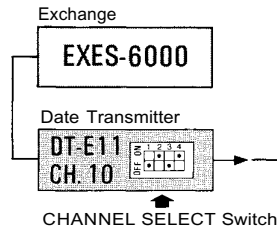
• Registration of Personal Number (●) (●) 1 0 X X

XX: 00~31

• Cancellation of Personal Number (●) (●) 1 0 X X

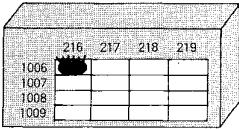
Personal Number: Max. 32 persons (No.1000~1031)

Station Number which shows Person's Destination: Max. 32 stations (No.210~232 (101 ~132/21 ~52/11-42))



	Data Receiver																	Relay Output No.		Personal Number
NO. 1	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 0	SW1	No.1000	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 2	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 2	SW1	No.1001	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 3	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 4	SW1	No.1002	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 4	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 6	SW1	No.1003	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 5	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 8	SW1	No.1004	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 6	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 10	SW1	No.1005	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 7	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 12	SW1	No.1006	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 8	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 14	SW1	No.1007	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 9	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 16	SW1	No.1008	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 10	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 18	SW1	No.1009	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 11	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 20	SW1	No.1010	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 12	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 22	SW1	No.1011	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 13	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 24	SW1	No.1012	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 14	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 26	SW1	No.1013	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 15	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 28	SW1	No.1014	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				
NO. 16	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	WD. 30	SW1	No.1015	
	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201				
	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217				

EXAMPLE
 Indication Panel-lamp on A person "No.1006" registers his Personal Number at the station "No.216", then the Relay contact "No.216" turns into "Make". Each Relay Output shows "Station No. of Person's Destination"



Each Relay Output shows "Station No. of Person's Destination"

Note: (□) (△) shows the Head of a Slide Switch

WORD SELECT Switch

14-12 Channel 11 (CH. 11) Destination Indication (2)

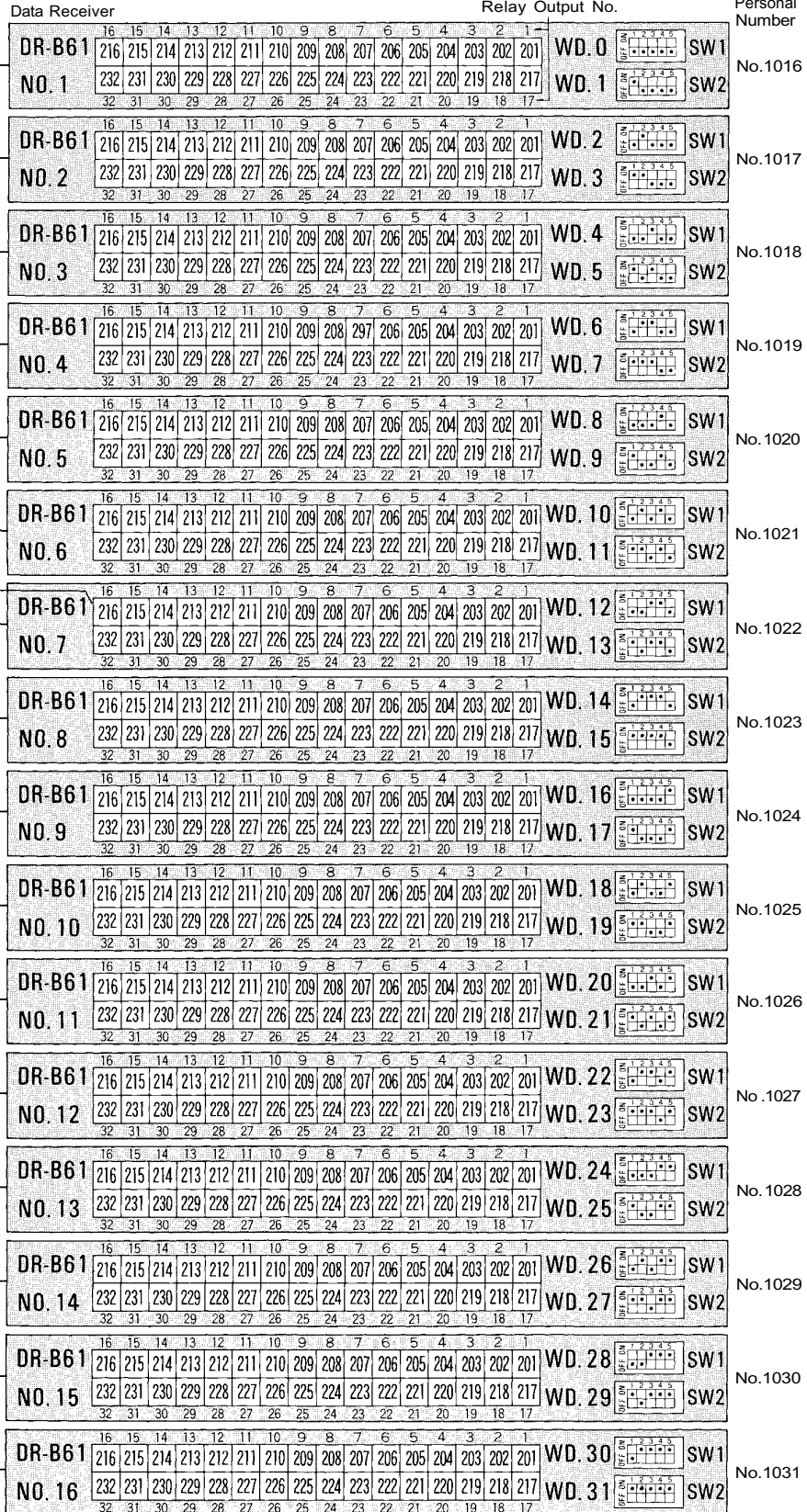
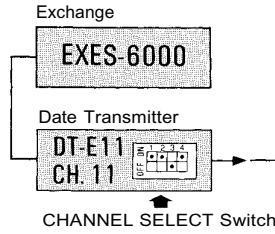
(Dial Operation)

• Registration of Personal Number (●) ⊖ 1 ⊙ × × XX: 00~31

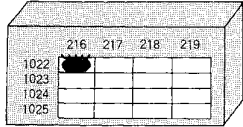
• Cancellation of Personal Number (●) ⊖ 1 ⊙ × ×

Personal Number: Max. 32 persons (No.1000~1031)

Station Number which shows Person's Destination: Max. 32 stations (No.210~232 (101~132/21~52/11~42))



EXAMPLE
Indication Panel-lamp on
A person "No.1022" registers his
Personal Number at the station
"No.216", then the Relay contact
"No.216" turns into "Make".
Each Relay Output shows
"Station No. of Person's Destination"



Each Relay Output shows
"Station No. of
Person's Destination"

Note: □ (□) shows the Head of a Slide Switch

WORD SELECT Switch



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