



Model 45500F1 & 45505 Mini-Cabinet

ANI-Link™ Systems

- Operator Position Switch-Setting Guide -

All Proctor & Associates trademarked E9-1-1 equipment is now manufactured by Tone Commander Systems, Inc.

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**Purpose
of Guide**

This guide explains how to set switches on the ANI-Link™ system Station Interface Module (SIM) and ANI Display modules. The guide includes detailed instructions for setting the switches and a quick-reference matrix that lists typical switch settings for many different telephone models. Only set the switches after the ANI-Link™ system is fully installed and operational, as described in the **ANI-Link™ System Manual**.

NOTE: For further assistance in setting the SIM and ANI Display switches, call Tone Commander Systems at (425) 349-1000. Ask for our Technical Support Department.

**Equipment
Overview**

The ANI-LINK™ system operates in conjunction with a user-supplied key telephone system or PBX to provide enhanced 9-1-1 services at a Public Safety Answering Point. A system interface device, the Station Interface Module (SIM), is installed at each operator position served by the ANI-Link™ system. The SIM interfaces a telephone at the operator position with an ANI Display module. The ANI Display shows each caller's telephone number and performs other functions described fully in the system manual. Both the SIM and ANI Display are equipped with switches that must be set properly to provide basic compatibility with the type of telephone found at the operator position. The ANI Display is also equipped with switches that must be set during initial installation. Detailed instructions for setting these switches are provided later in this guide.

**Switch
Descriptions****SIM Switches**

As shown in Figure 1, the SIM switches are located underneath the unit's slide-off cover and are marked PHONE TYPE and HANDSET TYPE.

Phone Type Switch: Adjusted to make the SIM compatible with different types of telephone transmitters. Position 1 is for telephones using carbon transmitters and transformer networks. Position 2 is for telephones with electret microphones and electronic networks. Typical switch settings for a variety of PBX or key systems are listed later in the **Switch-Setting Matrix** in this guide.

Handset Type Switch: Adjusted to make the SIM compatible with different handset wiring configurations. Depending on the type of handset wiring configuration, this switch is set to position 1, 2, or 3. Typical switch settings for a variety of PBX or key systems are listed later in the **Switch-Setting Matrix** in this guide.

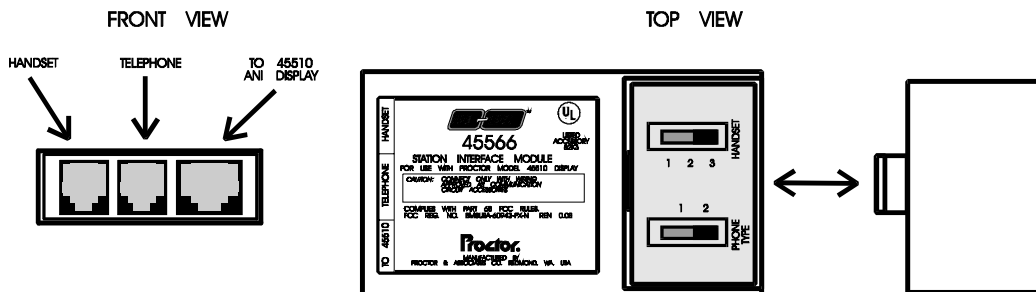


Figure 1. Location of SIM Switches

ANI Display Switches

As shown in Figure 2, the back panel of the ANI Display is equipped with the following switches:

Audio Level AGC Switch: This 8-position switch limits the maximum amplitude of the audio signal received by the PSAP operator. This switch does not adjust the transmit audio signal. The upper limit is adjusted in 5 dB steps by placing *one* of the eight settings to the ON position. Setting #1 is maximum AGC (maximum limiting and quietest); setting #8 is minimum AGC (no limiting and loudest).

Audio Level GAIN Switch: This 8-position switch adjusts the amount of receiver gain across the entire voice band. This switch does not adjust the amount of transmit gain. The amount of gain is adjusted in 5 dB steps by placing *one* of the eight settings to the ON position. Setting #1 is minimum gain level (quietest); setting #8 is maximum gain level (loudest).

Tone Level XMIT Switch: This 8-position switch adjusts transmit tone levels of the VBS identification signals used by the system to update the display with correct ANI information. The transmit tone level is adjusted in 5 dB steps by placing *one* of the eight settings to the ON position. Setting #1 is minimum tone level (quietest); setting #8 is maximum tone level (loudest).

Tone Level RCV Switch: This 4-position switch adjusts the receive tone levels of the VBS identification signals used by the system to update the display with correct ANI information. The receive tone level is adjusted in 10 dB steps by placing *one* of the four settings to the ON position. Setting #1 is minimum tone level (quietest); setting #4 is maximum tone level (loudest).

NOTE: Refer to the *ANI-Link™ System Manual* for more information about the VBS signaling scheme.

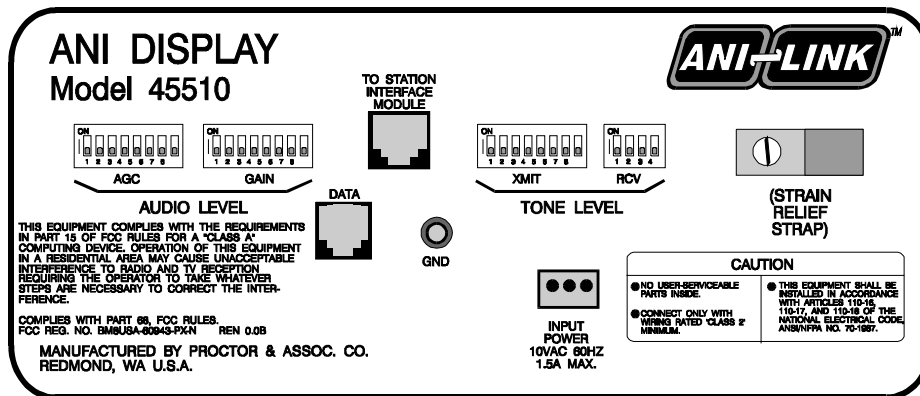


Figure 2. Location of ANI Display Switches

Switch-Setting Procedure

The switch-setting procedure consists of three sets of instructions:

- Set SIM Switches
- Set Tone Level Switches
- Set Audio Level Switches

Perform these instructions after the ANI-Link™ system is fully installed and operational, as described in the *ANI-Link™ System Manual*.

Hardware Requirements

Performing the switch setting instructions requires a fully equipped operator position, complete with an operating key or PBX telephone connected to a SIM and ANI Display. In addition, the following items are required:

- Small Screwdriver
- Standard Telephone with modular cord
- Transmission Level Meter (For example, but not by way of recommendation, the Triplet Model 2 Circuit Test Set or equivalent meter.

NOTE: Other vendor equipment mentioned in this text is for a point of reference only and may not meet actual installation codes, compliance issues, or requirements. Review these concerns before acquiring any of this equipment.

Set SIM Switches

To set the SIM switches, perform the following steps:

1. Check the **Switch-Setting Matrix** that starts on page 10. If the type of telephone system and telset model used at the operator positions is listed in the matrix, set the SIM and ANI Display switches as listed in the matrix. If the settings are not listed in the matrix, continue to step 2.
2. At one of the operator positions, press and hold down the ANI Display UP button and then press the TIME button. Release both buttons simultaneously.

The number "8" appears in each display window. These numbers indicate that the display is in the test mode and a continuous tone is being transmitted over the line.

3. Connect a standard telephone to the TEST jack on any of the ANI Cards. This seizes the line and causes ringing at the key or PBX telephones.
4. At the operator position selected in step 2, answer the ringing line.
5. Remove the cover from the SIM connected to the key or PBX telephone.
6. While listening for the tone at the telephone connected to the ANI Card, adjust the HANDSET TYPE switch so the tone can be clearly heard.
7. Adjust the PHONE TYPE switch for optimum tone clarity.
8. Disconnect the telephone from the ANI Card.
9. Using the same switch positions, set the SIM switches at all other operator positions.
10. Continue to "Set ANI Display Tone Level Switches" (in this guide).

**Set ANI Display
Tone Level
Switches**

To set the Tone Level switches on the ANI Display, perform the following steps:

NOTE: Certain telephone systems are equipped with internal amplifiers which are user-adjustable. These adjustments must be made prior to setting the switches on the display.

1. Check the **Switch-Setting Matrix** that starts on page 10. If the type of telephone system and telset model used at the operator positions is listed in the matrix, set the SIM and ANI Display switches as listed in the matrix. If the settings are not listed in the matrix, continue to step 2.
2. Unless already done, at one of the operator positions, press and hold down the ANI Display UP button and then press the TIME button. Release both buttons simultaneously.

The number "8" appears in each display window. These numbers indicate that the display is in the test mode and a continuous tone is being transmitted over the line.

3. Connect the transmission level meter to the TEST jack on an ANI Card.
4. Set up the meter for 600 ohm termination, flat noise weighting, with hold bridge on.
5. Adjust the XMIT switch so the meter reads between -14 and -20 dBm. The transmit tone level is adjusted in 5 dB steps by placing *one* of the eight settings to the ON position. Setting #1 is minimum tone level; setting #8 is maximum tone level.
6. Set the RCV tone level switch so switch position 3 is ON. This is the setting used in most installations. Further adjustment may be required if ANI fails to be displayed or is sporadically displayed when calls are answered. Setting #1 is minimum tone level (quietest); setting #4 is maximum tone level (loudest).
7. Disconnect the meter.
8. Press the UP button on the ANI Display to exit the test mode.
9. Using the same switch positions, set the Tone Level switches at all other operator positions.
10. Continue to "Set ANI Display Audio Tone Level Switches."

**Set ANI Display
Audio Level
Switches**

To set the Audio Level switches on the ANI Display, perform the following steps:

1. Connect a standard telephone to the test jack on any of the ANI Cards. This seizes the line and causes ringing at the key or PBX telephones.
2. At the operator position, answer the ringing line.
3. Locate the audio level switch marked "AGC" and place switch position number 8 to the ON position. All other AGC switch positions should be off.
4. While someone is pressing a DTMF (tone dial) button on the telephone connected to the TEST jack, listen to the tone level.
5. Locate the Station Interface Module (SIM) connected to the operator position telephone, disconnect the cord from the SIM jack marked 'TO 45510', and listen for the tone level again. The tone level should be the same with the cord connected or disconnected.
6. If the tone level is not the same, adjust the ANI Display switch marked "GAIN." Setting #1 is minimum tone level (quietest); setting #8 is maximum tone level (loudest).
7. Keep repeating steps 4 through 6 until the tone level is the same with the cord connected or unconnected.
8. Disconnect the telephone from the TEST jack

**Switch-Setting
Matrix**

The **Switch-Setting Matrix** that begins on page 10 is a quick reference tool used to set the ANI Display "Tone Level" switches and the SIM switches. The matrix lists, in alphabetical order, many of the leading manufacturers of multi-line telephone systems and the telephone models offered with each system and provides the correct switch settings required for those telephones. If a particular telephone model is excluded from the matrix, or if a switch setting for a model listed in the matrix is unknown, refer to the **Switch-Setting Procedure** described earlier in this guide.

SWITCH-SETTING MATRIX

		OPERATOR POSITION SWITCH SETTINGS			
MANUFACTURER/SYSTEM	TELSET	ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
<u>Ambi Corp.</u>	Ambi Set	7	3	2	2
	Ambi Terminal	7	3	2	2
<u>Asuzi, LTD</u>					
Pro 616	Pro-616 Sets	7	3	2	2
Pro 1032	Pro-1032 Sets	7	3	2	2
Pro-XL 616	Pro-XL 616 Sets	**	**	1	**
	Pro-XL 1032 Sets	**	**	1	**
SDX	SDX Sets	**	**	1	**
<u>AT&T-IS</u>					
Dimension 100, 400, 600, 2000, 2000E	CTS (MET SET)	7	3	2	2
	50B Console	7	3	2	2
Horizon (ECTS)	2991, 2992, 2993, 2994 (MET SET)	7	3	2	2
	836, 837, 2836, 2837	7	3	2	2
Com Key 416, 4A	981A01, 2981A01	7	3	2	2
	981A02, 2981A02	7	3	2	2
	981A03, 2981A03	7	3	2	2
	983A01, 2983A01	7	3	2	2
	983A02, 2983A02	7	3	2	2
Com Key 718, 7A	7A/21A: 832A, BM, CM	7	3	2	2
	2832A, BM, CM	7	3	2	2
	14A21A: 833A, BM, C, CM, DM, EM	7	3	2	2
	2832A, B, CM, CM, DM EM, FM	7	3	2	2
System 25, 75, 85	3178 SYS Set	7	3	2	2
	7101, 7104	**	**	1	**
	7103	**	**	1	**
	7303, 7305	**	**	1	**
	7309	**	**	1	**
	7403, 7405, 7406	**	**	1	**
	7104, 7404, 7407	**	**	1	**
System 85	7203, 7205	**	**	1	**
System 2600 (EKTS)	200 Set	**	**	1	**
	400 Set	**	**	1	**

- Continued on next page -

* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
<u>AT&T-IS</u> (Continued)					
Spirit 308/616 & 2448	Spirit 6-Button (6501)	**	**	1	**
	Spirit 24-Button	**	**	1	**
Genesis	5-Button	**	**	1	**
	10-, 34-Button	**	**	1	**
Merlin Plus Merlin: 206, 410, 820, 1030, 3020, 3070 Merlin II	5-Button	**	**	1	**
	10-, 34-Button	**	**	1	**
	10-, 34-Button	**	**	1	**
	Feature Phone 420, 480	**	**	1	**
	Feature Phone 1600	**	**	1	**
	Elite 320	**	**	1	**
	2500 DMGJ, YMGD	**	**	1	**
5001/50011 T01A	**	**	1	**	
<u>Augat Melco</u>	Max 128P, -824 Console	7	3	2	2
<u>BellSouth Advanced Systems</u>					
System 30	Proprietary Set	**	**	1	**
	2000 Set (2 Line)	**	**	1	**
<u>Candela</u>					
PBX Cardinal 30, 60	Cardinal	7	3	2	2
<u>CMX Communications</u>					
CSK616 308/616	Citation SST, EST	**	**	1	**
	Citation	**	**	1	**
<u>Comdial</u>					
	Max Key III 3513	7	3	2	2
	Max Key Iv 3514 (3 Line)	**	**	1	**

- Continued on next page -

* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
Comdial (Continued)	Executech Solo 3522, 3523, 3582, 3583	**	**	1	**
	Voice Express: VX-41B, C	**	**	1	**
	Executech 308, 512, 616, 816, 824	**	**	1	**
	Executech II 1432, 2232, 2296, 22128	**	**	1	**
		**	**	1	**
		**	**	1	**
	Genie	**	**	1	**
Concord	612	**	**	1	**
	1024	**	**	1	**
Contel/Executone	Command 2056	7	3	2	2
	X Trom II	7	3	2	2
	Equity II: 2522501, 2522502	7	3	2	2
	Equity III 308/512	7	3	2	2
	Encore 816	7	3	2	2
	Encore 1232	7	3	2	2
	Encore 2464/3696	7	3	2	2
	Encore Plus, 12-Button: 2512512, 2512513, 2512514	7	3	2	2
	Encore Plus, 24-Button: 2512515, 2512516, 2512517	7	3	2	2

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* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

		OPERATOR POSITION SWITCH SETTINGS			
MANUFACTURER/SYSTEM	TELSET	ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
Contel/Executone (Continued)					
Encore CX 408, 816, 1832, 3676	Encore CX: 2992501, 2992502, 2992503, 2992504	7	3	2	2
SRX	S.R.X. Encore: 100, 200, 400	7	3	2	2
Elan 2080	Elan: 2882501, 2882502	7	3	2	2
Vista I, II	Console	7	3	2	2
Contel Financial System					
Contel - IPC					
	Centre Max: 00895	**	**	1	**
	Centre Max: 06088	7	3	2	2
Crystal Technologies					
	PhoneWriter	**	**	1	**
CSE Telcom					
	Criterion	**	**	1	**
CTG					
308, 612, 616, 816, 4080	Proprietary Sets	**	**	1	**
1648, 3264	Proprietary Sets	7	3	2	2
CXC					
Rose PBX	Rose Attendant Console: T1000	**	**	1	**
Rose ACD	Personal Terminal: T2001, T2002	**	**	1	**
	T2003, T2004	**	**	1	**
	Personal Terminal: Exec: T2005	**	**	1	**
	Digital Phone: T2064	7	3	2	2
Cyber Digital					
CSX, MSX	Integrated Service Terminal 1ST-12, 20	7	3	2	2
		7	3	2	2

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
<u>Cygnat Technologies, Inc.</u>	CoSystem	7	3	2	2
<u>Datavox</u>	Datavox-One	7	3	2	2
<u>David Systems</u>	Standard Set	*	3	2	2
	Standard Display Set	*	3	2	2
	Executive Display Set	*	3	2	2
<u>Davox</u>	DavoxNet	7	3	2	2
	4900/5900 Workstation ST100				
<u>DBA</u>	208	**	**	1	**
<u>Deka</u>	EL400, CD1600	7	3	2	2
<u>Delos</u>	2500, 2530	7	3	2	2
<u>DND Electronics</u>	3000 ACD	7	3	2	2
<u>Eagle Telephone</u>	Eagle One	7	3	2	2
<u>Ericson Information Systems</u>	Prodigy +2	7	3	2	2
	Console	7	3	2	2
	MD 110 Console	7	3	2	2
	MD 110 Set, DBA 706, 707	7	3	2	2
	MD 110/40/90	**	**	1	**
<u>EXTROM</u>	EXTROM II, HMS-616	7	3	2	2
	EXTROM III, HMS-38	7	3	2	2

- Continued on next page -

* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

		OPERATOR POSITION SWITCH SETTINGS			
MANUFACTURER/SYSTEM	TELSET	ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
EXTROM (Continued)	EXTROM IV, HMS-1032	7	3	2	2
	612EE, 1032EE	**	**	1	**
<u>Fujitsu Business Communications</u>					
Focus Hybrid 20, 50, 100	Focus ET 1, ET 2	7	3	2	2
Focus 196	Focus: ET10, ET11, ET20	**	**	1	**
Focus 9600	Console: 301 -800-01, -02	7	3	2	2
<u>Fujitsu GTE Business Systems, Inc.</u>					
Starlog	CS10:				
	SB4195934136	**	**	1	**
	SB10001009	**	**	1	**
	CS20:				
	SB4195944136	**	**	1	**
	SB10001008	**	**	1	**
	CSD:				
	SB9103523000	**	**	1	**
SB1001005	**	**	1	**	
Attendant Console:					
SB9104062000	**	**	1	**	
<u>Futura Communications, Inc.</u>					
Futura/I-Tel 308, 616	616	**	**	1	**
<u>Gai Tronics</u>					
	Cohort 3x4, 6x16, 12x48	**	**	1	**
	Scope 3x4, 6x16	**	**	1	**
	Scope 3x8, 12x48	**	**	1	**
<u>Galaxy Comm.</u>					
Delta 514, 616, 824, 1232, 2464	Galaxy Standard	**	**	1	**
	Galaxy Executive Display	**	**	1	**

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
General Electric	Mainfone:				
	2-9270, 2-9280A,	**	**	1	**
	2-9285A	**	**	1	**
	2-9100L	**	**	1	**
Glenaire	2021	7	3	2	2
Gold Star	Tek 616, 1648	7	3	2	2
GTE-Automatic Electric	Feature	7	3	2	2
	2000, 2050, 2100	**	**	1	**
	2200, 2300, 2400	**	**	1	**
	GTE Ultrastar, Ultraline	**	**	1	**
	GTE Ultrastyle	**	**	1	**
	2260 Medalist	7	3	2	2
	7400 Message Center	**	**	1	**
	Feature Comm (HE-868831 WT01)	7	3	2	2
	Jupiter	7	3	2	2
	Flash Comm I, Comm + HE-860830 WT01 HE-862-830 WT01	7	3	2	2
	Omni PBX				
	Omni Phone: HE-860-WT01	7	3	2	2
	Integrated Feature Phone: HE-869-830-WT01 HE-869-832-WT01	7	3	2	2
	I.F. Phone: HE-869-833-WT01 HE-869-832-WT14	7	3	2	2
	Omni SBCS				
CS-10:					
SB8102244136	**	**	1	**	
SB9103705000	**	**	1	**	
SB1001007	**	**	1	**	
SB10010023	**	**	1	**	

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

		OPERATOR POSITION SWITCH SETTINGS			
MANUFACTURER/SYSTEM	TELSET	ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
GTE-Automatic Electric (Continued)					
	CS-20:				
	SB8100634136	**	**	1	**
	SB9103706000	**	**	1	**
	SB1001006	**	**	1	**
	SB10010024	**	**	1	**
	CSD:				
	SB9103264000	**	**	1	**
	SB9103707000	**	**	1	**
	SB1001004	**	**	1	**
	SB1001003	**	**	1	**
Micro-Exchange	Station Instrument:				
	9105990000	**	**	1	**
	9100616000	**	**	1	**
	9100622000	**	**	1	**
	9100617000	**	**	1	**
	Attendant Console:				
	9100602000	**	**	1	**
Hallicrafters					
412	412 Set	**	**	1	**
Harris Digital Corp.					
Harris 20/20 PBX	Optic 1, Optic 4	**	**	1	**
Harris, Lanier					
	Easy Talk	**	**	1	**
	Smartphone 7050	**	**	1	**
	VIP, Classic, P130	**	**	1	**
Renaissance III & VI, XII, XX & XXXII	EKT 201, 210, 220	7	3	2	2
	EKT 2201, 4010,				
	4015, 4020, 4025	7	3	2	2
	4030, 4035, 4044	7	3	2	2
	4045, 4050, 4055	7	3	2	2
	5101, 5201, 5510OH	7	3	2	2
	EKT 5010-S, 5511-H	7	3	2	2
	5020-S, 5020-SD	7	3	2	2
	5520-H	7	3	2	2

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
Harris, Lanier (Continued)					
Renaissance XII & XX	DSS Console	7	3	2	2
Renaissance XXXII	PBX Console	7	3	2	2
	L-EKT-10, -10S, -20S	**	**	1	**
	EKT 6200-N	**	**	1	**
Hitachi					
EX10 PBX	ET616D				
	Inteliset I (MFT)	7	3	2	2
	Inteliset II (MFT)	**	**	1	**
Honeywell					
	Delta Plex 500	**	**	1	**
InteCom					
IBX S/80	ITE 12, 15D, 21, 24D, 30	7	3	2	2
	ITE 4, 12, 12+, 12S, 24D (Series B)	**	**	1	**
	ITE Attendant Console	7	3	2	2
Inter-Tel					
MPK I	412T	**	**	1	**
MPK II	1032T	**	**	1	**
SPK II	1664T	**	**	1	**
SPK II	2480T	**	**	1	**
Phoenix, Hitec	Phoenix, Hitec	**	**	1	**
412	412	**	**	1	**
616	616	**	**	1	**
824	824	**	**	1	**
1232	1232	**	**	1	**
1648	1648	**	**	1	**
1456, 32/128	2480	**	**	1	**
GX 32 120	GX Sets	**	**	1	**
GLX 308, 612	GLX Key Phone	**	**	1	**
GMX 408, 816, 1220, 1628, 2036, 2440, 32120	GM Key Phone	**	**	1	**

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* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
<u>Isoetec</u>					
System/18, 36, 96	EZ-1/EZ-1 Genus	**	**	1	**
System/120/228	Integrated Operators Terminal	**	**	1	**
	Digital Set: 82500, 82200	**	**	1	**
	82100	**	**	1	**
<u>ITT/Alcatel</u>					
Alcatel 100	903, 904 Sets	**	**	1	**
3100	3100 Sets: 2630, 2672, 2673	**	**	1	**
	2872, 2873	**	**	1	**
3100XL	3100XL Sets: 281175, 281075	**	**	1	**
	281975, 281575	**	**	1	**
	282175, 282075	**	**	1	**
	282975, 282575	**	**	1	**
701	EKS 401, 701: 2701	7	3	2	2
801, 802	2801, 2802, 2803	**	**	1	**
Orion	2804, 2805, 2806	**	**	1	**
	CS1024 Console	**	**	1	**
N.K.S. 131	500, 501, 502, 507	7	3	2	2
	510, 554, 564, 565	7	3	2	2
	576, 577, 830, 835	7	3	2	2
	842, 854	7	3	2	2
	2930	7	3	2	2
EKS401 Aries 308/616	900, 2900	7	3	2	2
	SKS-2™	**	**	1	**
ECS 56, 136	Aries 2912, 2927, 2928	7	3	2	2
	Proprietary Set	**	**	1	**

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
EKS 308, 616, 1664	Medallion (2-line): 2845	7	3	2	2
	Proprietary Set	7	3	2	2
<u>Iwatsu America, Inc.</u>	ET-126; ET-228	7	3	2	2
	Omega I: 714VC	7	3	2	2
	Omega II: 1530/2250	7	3	2	2
	Omega III: ET412,	7	3	2	2
	ET816, ET824	7	3	2	2
	ET1632, ET2460	7	3	2	2
	Omega IV EX1232	7	3	2	2
	Versaphone, Presidential	**	**	1	**
	Omega IV, EX 616, TXX616	**	**	1	**
	Omega-Phone IV ZT-D	**	**	1	**
ZT-D 616, 824, 2464	ZT-6D/K, ZT-8D/K ZT-12D/K, ZT-24D/K	**	**	1	**
<u>Jistel</u>	Console: 95, 200, 500	7	3	2	2
<u>Kanda Telecom, Inc.</u>	616 Basic A & C	**	**	1	**
	EK 616 616 Executive A & C	**	**	1	**
	EK 1232/2064 616 Executive Plus	**	**	1	**
<u>Litton</u>	E316, E324	7	3	2	2
	E316R	7	3	2	2
<u>Macro Tel</u>	TelSets	**	**	1	**
<u>Mitel</u>	Kontakt Management Workstation	7	3	2	2
	SX 50 Console	**	**	1	**
	SX 200 SuperSet 4	**	**	1	**
	Digital Console	**	**	1	**
	SX 2000 Superset 7	**	**	1	**

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* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
Mitel (Continued)					
Generic 1000, 1001, 1002	1000 Console	**	**	1	**
NEC America, Inc.					
	600P	**	**	1	**
Electra 28	ET 14-2, -3, -4, -5	7	3	2	2
Electra 100	KeySet (ET20-1)	7	3	2	2
Electra 6716	ET6-1, -2 & 3	**	**	1	**
	ET6-1P & -3P	**	**	1	**
	ET6H-1 & -3	**	**	1	**
	ET6H-1P & 3P	**	**	1	**
Electra 1648	ET8-1 & -2	7	3	2	2
	ET16-1 & -2	7	3	2	2
	ET8-3 & -4	**	**	1	**
	ET16-3 & -4	**	**	1	**
	ET8-3P & -4P	**	**	1	**
	ET16-3P & 4P	**	**	1	**
	ET16H-3P & 4P	**	**	1	**
	ET16D-3 & -4	**	**	1	**
	ET16H-3 & -4	**	**	1	**
Electra IMS	D Term 2 (ETT 1-1)	**	**	1	**
Impulse	D Term 2 (ETT 1-2)	**	**	1	**
Electra IMS	D Term 4 (ETT 4-1)	**	**	1	**
Impulse	D Term 4B (ETT 8-1)	**	**	1	**
	D Term 5 (ETT 16-1)	**	**	1	**
	D Term 10 (ETT X-1)	**	**	1	**
	(Executive Terminal)				
	D Term 500 (ETT-D-1) (Work Station)	**	**	1	**
Electra Mark II	ETE6-1, ETE6D-1	**	**	1	**
	ETE16D-1, ETE16K-1	**	**	1	**
Nicho, Inc.					
1A2	ITT 2564, ITT2830	7	3	2	2
Northern Telecom					
	e Logic 1: QSQE/QSFE 22001FX	**	**	1	**

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS				
		ANI DISPLAY		STATION INTERFACE MODULE		
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE	
Northern Telecom (Continued)						
VICS	e Logic 6: QSHE 2206, QSFE 2206	**	**	1	**	
	e Logic 10: QSHE 2200, QSFE 2200	**	**	1	**	
	Link Phone: QSQE/QSFE 2201BX QSQE2500, QSFE2500	**	**	1	**	
		**	**	1	**	
	Unity (I) Basic Set: NT4LLA/AD (8100)	**	**	1	**	
	Unity (II) Link Set: NT4L12AA/AB/AC/ AE/AF/Ag (8200)	**	**	1	**	
		**	**	1	**	
	Unity (III) Business Set NT4L14AB	**	**	1	**	
	NT4L01AF (8300)	**	**	1	**	
	Unity (VII) Handsfree Set: NT4L10AA/AD	**	**	1	**	
	Unity 2-Line Set: NT4L155AA/AC	**	**	1	**	
	Unity Featured Set: NT4L17AA	**	**	1	**	
	Unity (XX) Controller Console: NT4L14AA/AB	**	**	1	**	
	NT4L04AA/AB (8600)	**	**	1	**	
	Displayphone: NT6K00	**	**	1	**	
	Displayphone Plus: NT6K07, NT6K90	**	**	1	**	
	Displayphone 220: NT1K00, NT1K02	**	**	1	**	
	Meridian SL-1	QSU60CFM, BQM, CQM QSU61CFM, BQM, CQM	7 7	3 3	2 2	2 2
	Meridian SL-1	Displayphone: NT6K10	**	**	1	**
	Meridian SL-1	QSU71 (M1109)	**	**	1	**
	NT1F05 (M2009)	**	**	1	**	
	NT1F07 (M2018)	**	**	1	**	
	NT1F06 (M2112)	**	**	1	**	

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* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

		OPERATOR POSITION SWITCH SETTINGS			
MANUFACTURER/SYSTEM	TELSET	ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
Northern Telecom (Continued)					
	NT1F11 (M3000)	**	**	1	**
	NT1F21 (M2317)	**	**	1	**
Meridian Norstar	Meridian Norstar: (M7208), (M7310)	**	**	1	**
Vantage 8, 12, 24/48, 48C	Vantage Modular	**	**	1	**
Vantage 8, 12, 24/48, 48C	Vantage Spirit	**	**	1	**
Vantage 8, 12, 24/48, 48C	Vantage Esprit Plus	**	**	1	**
Northwestern Bell					
	Easy Touch: 22411	**	**	1	**
	Competitor: 21420	**	**	1	**
	Competitor Plus: 21410	**	**	1	**
	Competitor (2-Line): 21430	**	**	1	**
Integra 208, 412, 616	Integra 75000	**	**	1	**
	Integra Executive 75005	**	**	1	**
OKI	Spectrum 100	7	3	2	2
Pac Tel					
	Basic Plus (TIE)	**	**	1	**
	Smartset (TIE)	7	3	2	2
	Voice Express (Comdial)	**	**	1	**
	100 (TIE 612)	**	**	1	**
	300 (Merlin 410, AT &T)	**	**	1	**
	400 (TIE, EK1232)	**	**	1	**
	500 (ATI, Focus 50/100)	7	3	2	2
	700 (TIE, VDS)	**	**	1	**
Panadyni	DID Switch	7	3	2	2
P.K.S.					
516, 616	Executive Set	**	**	1	**

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
<u>Plant Equipment</u>					
1A2	All Standard 1A2 Console	7	3	2	2
ComCentrex	Desk Consoles	**	**	1	**
	PanelMount	7	3	2	2
<u>Positron</u>					
304	304S Turret	7	3	2	2
400	400L Turret	7	3	2	2
<u>Premier Telecom Products, Inc.</u>					
616, 1648 DHK	Premier Keypad	7	3	2	2
	Premier LCD	7	3	2	2
	Premier Electronic	7	3	2	2
1A3	1A3 Standard Set: NC612	5	3	2	2
	1A3 Speakerphone Set: NC612	**	**	1	**
ESP 612, 1244, 2460	ESP 8, 12, or 24 Button Keypad	**	**	1	**
	ESP 12, or 24 Button Keypad	**	**	1	**
<u>Radio Shack</u>					
	Dufone (2 line) ET180, ET191, ET193	**	**	1	**
	Dufone 404 (4 line)	**	**	1	**
<u>Redcom Laboratories, Inc.</u>					
SBX-384/TRX/MBX/PSX	Operator's Console	7	3	2	2
	Vodas, Vodas-K	7	3	2	2
<u>Roim</u>					
	ETS 100	7	3	2	2
	ETS 100A	7	3	2	2
	ETS 200, 300	7	3	2	2
	ET 3100	7	3	2	2
	TR Generation II	7	3	2	2

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* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

		OPERATOR POSITION SWITCH SETTINGS			
MANUFACTURER/SYSTEM	TELSET	ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
<u>Rolm</u> (Continued)					
CBX, ACD, MCBX	120, 240, 400	**	**	1	**
CBX118000, 9000AE	Rolmphone 244PC	**	**	1	**
	Cypress Terminal	**	**	1	**
	Cedar	**	**	1	**
	Jupiter I, II	**	**	1	**
	Redwood:				
	120, (61000)	**	**	1	**
	240, (62000)	**	**	1	**
	400, (64000)	**	**	1	**
<u>San/Bar</u>					
	Version 2000	7	3	2	2
	EX 3100	7	3	2	2
<u>Sanyo Business Systems Corp.</u>					
	1000, 1100	**	**	1	**
EKS 6120	Station Sets: STN 1000, STN 1100	**	**	1	**
EKS 6160	Station Sets: STN 2000, STN 2100	**	**	1	**
<u>Scott Technologies</u>					
	Solo & Solo Plus	7	3	2	2
	Stars & Westars	7	3	2	2
<u>Shared Resources Exchange (SRX)</u>					
	100, 200, 200S, 400	7	3	2	2
System One	Attendant Console: SPX 1000	7	3	2	2
<u>Siemens</u>					
SD-80, -192, -192MX	Set 10, 30	7	3	2	2

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS				
		ANI DISPLAY		STATION INTERFACE MODULE		
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE	
<u>Sigma Telephone Systems, Inc.</u>						
Data Com 100	816, 2464	**	**	1	**	
Bitronic 8, 16, 64, 255	Display Phone: 16 Button Key Set	**	**	1	**	
		**	**	1	**	
		**	**	1	**	
		**	**	1	**	
<u>StanTel</u>	SDX 60/180	Proprietary Sets: FT-1, 2, -3, -4	**	**	1	**
			**	**	1	**
	Coronet	Coronet Sets: SS, HFS	**	**	1	**
<u>Stromberg Carlson</u>						
Progress DKS	Keystation 4X12: 6528, 6530	**	**	1	**	
		**	**	1	**	
<u>Teltek</u>	747VA	**	**	1	**	
		**	**	1	**	
<u>TCO/Alcatel</u>						
Opus-20, -40, -80	201, 203, 802, 803 VDT 300 CSF PQS 8002	**	**	1	**	
		**	**	1	**	
		**	**	1	**	
<u>TEC (Turret Equipment Corp.)</u>	3000 Turret	7	3	2	2	
<u>Tec Tel</u>	TSG 2500	7	3	2	2	

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* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
<u>Technicom International, Inc.</u>	Businesscom I, II FPI Call Com CTX Managerial Set Basic Plus: 71350 Custom Calling Set: 71325	7 ** ** ** **	3 ** ** ** **	2 1 1 1 1	2 ** ** ** **
<u>Teknekron Inforswitch Corp.</u>	Electronic Set Infoswitch: (6600) 24/94 Key Set 24/94 (94-3913-001)	7 **	3 **	2 1	2 **
<u>Telamon-Telcom</u>	KT 510 Telamon II, III, V T Com Telamon Set	7 **	3 **	2 1	2 **
<u>TeleConcepts</u>	250 DDS 305, 308, 500 (3 line) 400 (2 line) 508, 550 (5 line)	7 7 7 7	3 3 3 3	2 2 2 2	2 2 2 2
<u>Teleconnect</u>	408/612/1232 AEKTS-616	**	**	1	**
<u>Teledex</u>	Autocom: MLT/ACD/UCD SLT1, SLT2 Basic Plus, SLT-2 SLT1, SLT-2 MLT-C, -S	7 7 7 7 7 7	3 3 3 3 3 3	2 2 2 2 2 2	2 2 2 2 2 2
<u>Teledial</u>	Feature Phone: TDP-1000-1, -1SP TDP-2000-1, -1SP	7 7	3 3	2 2	2 2

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
Teledial (Continued)					
	TDP-4000	7	3	2	2
	Courtesy/Customer Services:				
	TDP-1000-8, -8PB, -13	7	3	2	2
	TDP-1000-18, -19	7	3	2	2
	Secured Memory Phone:				
	TDP-1000-14, 14FP	7	3	2	2
	Restrictor Phones:				
	TDP-1000-3A, -5/6, -5A	7	3	2	2
	TDP-1000-6, -25, 26	7	3	2	2
	Memory Phones:				
	TDP-1000-2, -4A	7	3	2	2
	Flash Key and Basic Phones:				
	TDP-1000-7, -10, -12	7	3	2	2
	Dove Phone: TDP-5000-1	7	3	2	2
	Modemphone: TDP-3000-1	7	3	2	2
	Data Sets: TDP-6000-1, -3	7	3	2	2
Telephony & Electronics of America					
Dynamics	408, 812, 1024	**	**	1	**
Telenova					
Telenova I	Telenova Station Set	7	3	2	2
Telepath					
	Talkback Phone	7	3	2	2
	Amtron 416	7	3	2	2
Tele Resources					
System 32, Gen 2	Proprietary Sets	7	3	2	2
System 150, 1505, 150E	Proprietary Sets	7	3	2	2

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* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

		OPERATOR POSITION SWITCH SETTINGS			
MANUFACTURER/SYSTEM	TELSET	ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
Telex Computer Products					
	C078 Display Station	**	**	1	**
	C179 Display Station	**	**	1	**
1001L, M, S, VS	TXL-2, -5, -15, -15HLS	**	**	1	**
Tel Plus					
616	616 Proprietary Sets	7	3	2	2
816	816 Proprietary Sets	7	3	2	2
1648	1648 Proprietary Sets	7	3	2	2
3264	3264 Proprietary Sets	7	3	2	2
4080	4080 Proprietary Sets	**	**	1	**
Telrad					
Key BX 812, 816	BX Displayphone: 83050-0100	**	**	1	**
1632, 2864	83050-0000	**	**	1	**
Key BX Symphony	Symphony Sets: 20, 24, 332 Button	**	**	1	**
	Headset Station Displayphone: 73430-0000, 0001	**	**	1	**
TIE					
Turrent	Dealer Desk Turret: T1030-2, -3	7	3	2	2
	T1060-2, -3, -4	7	3	2	2
	T1220-2, -3, -4	7	3	2	2
Bus Com I	EK308T	7	3	2	2
Bus Com II	EK516T	7	3	2	2
Bus Com III, IV	Proprietary Set	7	3	2	2
Bus Com V	TC8	7	3	2	2
Bus Com Select	TC8DS	7	3	2	2
Bus Com VI	TC-12	7	3	2	2
Bus Com VII	TC-22	7	3	2	2
Bus Com Plus	Bus Com Plus Sets:				
3X8, 5X12, (8-12)	15013, 15111	7	3	2	2
8X24, 12X36, 24X64	15211, 15311	7	3	2	2
	15105, 15113	7	3	2	2
	15213, 15313	7	3	2	2

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
TIE (Continued)					
	BLF Bus Com Plus Sets:				
	15118, 15218, 15318	7	3	2	2
	15017, 15518, 15618,	7	3	2	2
	15718	7	3	2	2
Ultracom, Meritor: EK820, 1236, 2260	I-, W-820, 1236, 2260	7	3	2	2
Ultracom AT	3X8, 6X16, 12X24, 32X64	7	3	2	2
EK416	Delphi 4	7	3	2	2
EK616	Paragon (EK616)	**	**	1	**
100 HF	E 100-C, E 100, E 80	7	3	2	2
2050T Key	T 200-AT, -BT, -AR, -BR, AO	7	3	2	2
	Execufone 2DX	7	3	2	2
	10T, 250B, 1030	7	3	2	2
	E200/201, AR/BR, AT/BT	7	3	2	2
	E300 CR, CT	7	3	2	2
	L200-A/B, S200/201	7	3	2	2
	Custom Calling Set	**	**	1	**
M1000/Mercury	Executive Set: 28-Button	**	**	1	**
	Feature Phone: 9-Button	**	**	1	**
	Electronic Set: 2-Line	**	**	1	**
Morgan	Morgan:				
	Multi-Button	**	**	1	**
	Executive Display	**	**	1	**
	Attendant Console	**	**	1	**
Onyx	Onyx:				
	88155, 10-Button Set	**	**	1	**
	88160, 20-Button Set	**	**	1	**
	Module	**	**	1	**
	88163, 20-Button Set	**	**	1	**
	& Display Module	**	**	1	**
EK612	Meritor 1E	**	**	1	**
Businesscom 12/32	60020, 60021	**	**	1	**
Modkey 16, 32	Ultrakey	**	**	1	**

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* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

		OPERATOR POSITION SWITCH SETTINGS			
MANUFACTURER/SYSTEM	TELSET	ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
TIE (Continued)					
	60015, 60016	**	**	1	**
	Econokey, 1A2E	**	**	1	**
	60025, 60026	**	**	1	**
	Delphi 16	5	3	2	2
	60030, 60031	**	**	1	**
	Modkey 16	**	**	1	**
	60007	**	**	1	**
	Businesscom 16	**	**	1	**
	60010, 60011	**	**	1	**
	Delphi 32	**	**	1	**
	60080, 60081	**	**	1	**
	Modkey 32	**	**	1	**
	60082, 60083	**	**	1	**
	Businesscom 12/32	**	**	1	**
	60085, 60086	**	**	1	**
	Data key	**	**	1	**
	DCX	**	**	1	**
	Delphi Data Star	**	**	1	**
	VDS	**	**	1	**
	Attendant Console	**	**	1	**
EK 824, 818	Multibutton: 86063, 860072	**	**	1	**
	86073, 86074, 86079	**	**	1	**
	86082, 86089	**	**	1	**
EK 1232	Multibutton Non-Display	7	3	2	2
	86050, 86070, 86080	7	3	2	2
EK 1648	Multibutton, Non-Display	**	**	1	**
	86078, 86088	**	**	1	**
EK 2464	14-Button, Non-Display	7	3	2	2
	86098	7	3	2	2
TCX 128	4-Button:				
	86060, 86061, 86071				
TMG					
	601-A1, 650-A1, 650-P	7	3	2	2
Tone Commander Systems, Inc.					
	Innovator II Console	7	3	2	2
	CTX5, CTX10	7	3	2	2
	CTX20 Console	7	3	2	2

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* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
<u>Tone Commander Systems, Inc.</u> (Continued)					
	CTX10, CXT20 Plus Console	7	3	2	2
	CentraCom 532	7	3	2	2
<u>Toshiba</u>					
	Toshiba Com	7	3	2	2
	Attendant Console: DATT102	7	3	2	2
Perception	Strata III: (EKT-102) (EKT-103)	7	3	2	2
		7	3	2	2
Strata "S"	MKSU 502 TSX-14, -16, -18	7	3	2	2
		7	3	2	2
Strata VI, XII, XX	EKT 2101 Through 2106 EKT 2201 Through 2205 EKT 3101 Through 3102	7	3	2	2
		7	3	2	2
		7	3	2	2
Strata "E"	EKT 6010, EKT 6015 EKT 6020, EKT 6025 6000N	7	3	2	2
		7	3	2	2
		**	**	1	**
Strata "SE"	RLS2	2	3	2	2
<u>Trillium Telephone Systems</u>					
Trillium	Talkto 109	7	3	2	2
	Talkto 208	**	**	1	**
	Talkto 308, 616, 1032	7	3	2	2
Panther	306, 612, 1032, 2064	**	**	1	**
<u>TT Systems</u>					
	Regal II (2 line)	**	**	1	**
	Regal III (2 line)	**	**	1	**
	Sim Tel II, III (2 line)	**	**	1	**
	Sim Tel IV, V (4 line)	**	**	1	**
	Sim Tel (2 line)	**	**	1	**
	200, 205, 208, 210	**	**	1	**

- Continued on next page -

* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS				
		ANI DISPLAY		STATION INTERFACE MODULE		
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE	
TT Systems (Continued)	Simtel (4 line) 410, 412	**	**	1	**	
		**	**	1	**	
Unicom	110, 125	**	**	1	**	
Uniden	1010, 1015, 1020, 1030	7	3	2	2	
	1050	**	**	1	**	
	1040, 8050	7	3	2	2	
	XE20, XE30, XE40, XE70	7	3	2	2	
Unitech	AFF20	**	**	1	**	
USX Telecenters	1010-BTS, 1010-SPK	7	3	2	2	
	1010-BLS	7	3	2	2	
	1020-BTS, 1020-SPK	7	3	2	2	
	1020-LCD	7	3	2	2	
	1240 PBX Console	7	3	2	2	
Valcom	V4500, V4600	7	3	2	2	
Viking						
308/715	KT8	7	3	2	2	
Vodavi Technology	Starplus 2500	7	3	2	2	
	Starplus 2554	7	3	2	2	
	Starplus 4500	7	3	2	2	
	308	**	**	1	**	
	612	**	**	1	**	
	616	**	**	1	**	
	816	**	**	1	**	
	1648	7	3	2	2	
		308 Proprietary Set	**	**	1	**
		612 Proprietary Set	**	**	1	**
	616 Proprietary Set	**	**	1	**	
	816 Proprietary Set	**	**	1	**	
	1648 Proprietary Set	7	3	2	2	

- Continued on next page -

* Place switch position number to ON position.
 ** Refer to **Switch-Setting Procedure** on page 6.

SWITCH-SETTING MATRIX, Continued

MANUFACTURER/SYSTEM	TELSET	OPERATOR POSITION SWITCH SETTINGS			
		ANI DISPLAY		STATION INTERFACE MODULE	
		XMIT*	RCV*	PHONE TYPE	HANDSET TYPE
<u>Vodavi Technology</u> (Continued)					
2448	2448 Proprietary Set	**	**	1	**
3264	3264 Proprietary Set	7	3	2	2
4080	4080 Proprietary Set	**	**	1	**
<u>Walker Telecommunications Corp.</u>					
	Reliant 8, 16, 32, 50	7	3	2	2
	Reliant 96	7	3	2	2
	Poets (Response):	**	**	1	**
	612, 1836, 3060, Exec	**	**	1	**
	Marathon EKT	**	**	1	**
	DSS/BLF Console	**	**	1	**
<u>Wang Industries</u>					
W105	SL 2500	7	3	2	2
	Digital Workstation	7	3	2	2
<u>Wescon</u>					
	580 Console	7	3	2	2
<u>Wolverine</u>					
	Series 4000, A (4 line)	**	**	1	**
	Series 4000+, A+, (4 line)	**	**	1	**
	Series 5000 (4 line)	**	**	1	**
<u>XTEL</u>					
	Perfect 10	7	3	2	2
	Status	7	3	2	2
<u>Ztel</u>					
PNX	Z4, Z12, Z28	**	**	1	**

* Place switch position number to ON position.

** Refer to **Switch-Setting Procedure** on page 6.