TELECOM
SOLUTIONS
a division of SymmetriCom, Inc.

DIGITAL CLOCK DISTRIBUTOR

500 SERIES

CARD INFORMATION

1. GENERAL

1.01 This practice provides card information on the Telecom Solutions' MIS card (090-44018-15) straps and factory settings. Also included are the differences between the commands used with the latest MIS cards and previous MIS cards. For information on any card not mentioned in this practice, refer to the manual that came with the shelf where the card is installed.

1.02 This practice has been reissued to modify the definition of section 5 of switch SW1 on the MIS card. The changed area is marked by a change bar.
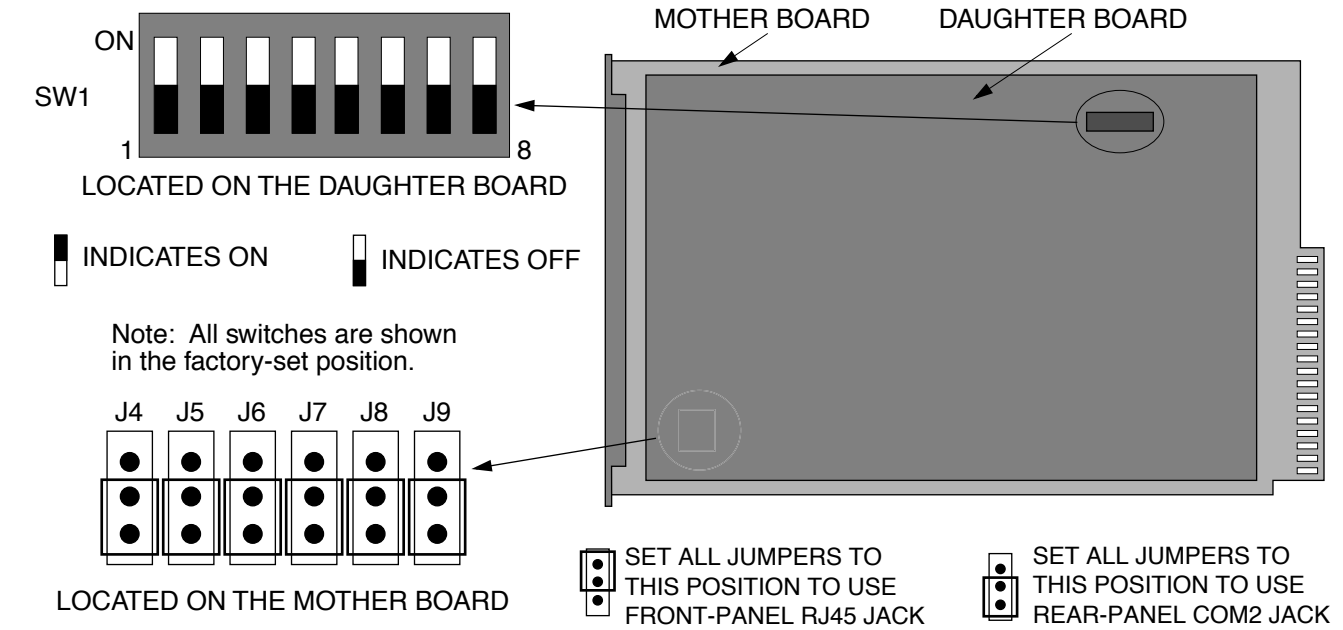
2. MIS CARD SWITCHES

2.01 The switches and straps for the Maintenance Interface, System (MIS) card are shown in Figure 1.

3. FACTORY SETTINGS

3.01 The factory settings are listed in Table A.

4. COMMAND DIFFERENCES

4.01 Table B lists the commands used with MIS card 090-44018-15 compared to the commands used with MIS card 090-44018-14. The correlation between the two sets of commands is not exactly one-for-one because some parameters were not setable in earlier versions, the function of two commands was combined into one, etc.

ON

SW1

1   8

LOCATED ON THE DAUGHTER BOARD

▮ INDICATES ON   ▯ INDICATES OFF

Note: All switches are shown
in the factory-set position.

J4   J5   J6   J7   J8   J9

LOCATED ON THE MOTHER BOARD

MOTHER BOARD   DAUGHTER BOARD

SET ALL JUMPERS TO
THIS POSITION TO USE
FRONT-PANEL RJ45 JACK

SET ALL JUMPERS TO
THIS POSITION TO USE
REAR-PANEL COM2 JACK

SW1 Section	Position	Description	Factory Setting
1	On	1200 baud	—
	Off	9600 baud	X
2 and 3	2=on, 3=any	Odd parity	—
	2=off, 3=on	Even parity	—
	2=off, 3=off	No parity	X
4	On	Password protection enabled	—
	Off	Password protection disabled	X
5	On	Causes an automatic download of the card configuration database from the MIS card to any other card whose database does not match the MIS database for that slot, such as: after a shelf power cycle, replacement of a card with the same card type, or replacement of the MIS card	—
	Off	Disables automatic database download	X
6	(Not used)		
7	On	Installed in an Expansion or Remote Shelf	—
	Off	Installed in a Master Shelf	X
8	Off	Normal operation (do not change)	X
Note: Section 1(baud rate) affects COM 2 and the front panel RJ45 jack only. Both of these ports (COM 2 or front panel RJ45 jack) cannot be active at the same time. The active port is selected by jumpers.			

Figure 1. MIS Card Switch

Table A. Factory Settings

CATAGORY	ITEM	SETTING
Security	User name	super (has an access level of 5)
	Password	sparky
	SID	TELECOM
Monitoring Thresholds	BPV	13,340
	CRC	13,340
	OOF	1
	SLIPS	255
	MTIE1	300 ns
	MTIE4	300 ns
	MTIE16	350 ns
	MTIE64	450 ns
	MTIE128	650 ns
	MTIE512	1000 ns
	MTIE900	1000 ns
	TDEV1	100 ns
	TDEV4	100 ns
	TDEV16	125 ns
	TDEV64	255 ns
	TDEV128	360 ns

Table A. Factory Settings (Contd)

CATAGORY	ITEM	SETTING		
Communications (Notes 1, 2, 3)	Baud	Port 1:	9600	
		Port 2:	9600	
		Port 3:	9600	
	Monitoring mode	Port 1:	allowed to view messages associated with other ports	
		Port 2:	inhibited from viewing messages associated with other ports	
		Port 3:	inhibited from viewing messages associated with other ports	
	Keep alive	Port 1:	allowed to send out a COMPL message every 15 to 20 minutes	
		Port 2:	inhibited from sending out a COMPL message	
		Port 3:	inhibited from sending out a COMPL message	
	Communication type	Port 1:	terminal	
		Port 2:	terminal	
		Port 3:	terminal	
	End-of-text character	Port 1:	0 (no end-of-text character)	
		Port 2:	0 (no end-of-text character)	
		Port 3:	0 (no end-of-text character)	
	Echo	Port 1:	echo inhibited	
		Port 2:	echo inhibited	
		Port 3:	echo inhibited	
	Alarm/event messages	Port 1:	alarm/event messages are allowed to be sent	
		Port 2:	alarm/event messages are allowed to be sent	
		Port 3:	alarm/event messages are allowed to be sent	
	Hardware flow	External equipment is inhibited from starting and stopping output messages by manipulating the clear-to-send (CTS) lead		
	Software flow	User is inhibited from starting and stopping output messages by using Control-s and Control-q key sequences		

Notes:
1. The baud rate for port 2 can only be changed by switch settings on the MIS card.
2. For communication parameters set by switches/straps on the MIS card, refer to Figure 1.
3. Communication parameters which cannot be changed are: character bits = 8 and start bits = 1.

Table B. Command Differences

COMMAND FOR MIS CARD 090-44018-14	COMMAND FOR MIS CARD 090-44018-15
ACT-USER	ACT-USER
CANC-USER	CANC-USER
—	COPY-MEM
—	DLT-EQPT
—	DLT-PORT
DLT-USER-SECU	DLT-USER-SECU
INIT-SYS	ED-COM
SET-DAT	ED-DAT
ED-PRMTR-T1, SET-ATTR-T1	ED-EQPT
ED-SECU-PID	ED-PID
ED-PRMTR-T1	ED-PORT
ED-USER-SECU	ED-USER-SECU
—	ENT-EQPT
—	ENT-PORT
—	ENT-USER-SECU
ED-EQPT	INIT-COM
SET-ATTR-LOG	INIT-LOG
INIT-REG-T1	INIT-REG
INIT-SYS	INIT-SYS
OPR-ACO-ALL	OPR-ACO-ALL
—	OPR-PROTNSW
—	OPR-SYNCNSW
—	RLS-PROTNSW
—	RLS-SYNCNSW
—	RMV-EQPT
—	RMV-PORT
—	RST-EQPT
—	RST-PORT
RTRV-ALM-{ALLIEQPTIT1}	RTRV-ALM-{ALLIEQPTIPORT}
—	RTRV-ATTR-CONT
RTRV-ATTR-T1	RTRV-ATTR-PORT
RTRV-EQPT	RTRV-COM
RTRV-COND-{EQPTIT1}	RTRV-COND-{EQPTIPORT}

Table B. Command Differences (Contd)

COMMAND FOR MIS CARD 090-44018-14	COMMAND FOR MIS CARD 090-44018-15
—	RTRV-EQPT
—	RTRV-GPS-STAT
RTRV-HDR	RTRV-HDR
RTRV-LOG	RTRV-LOG
RTRV-PM-T1	RTRV-PM-PORT
—	RTRV-PORT
RTRV-TH-PORT	RTRV-TH-PORT
RTRV-USER-SECU	RTRV-USER-SECU
—	SET-ATTR-CONT
SET-ATTR-T1	SET-ATTR-PORT
SET-SID	SET-SID
SET-TH-T1	SET-TH-PORT