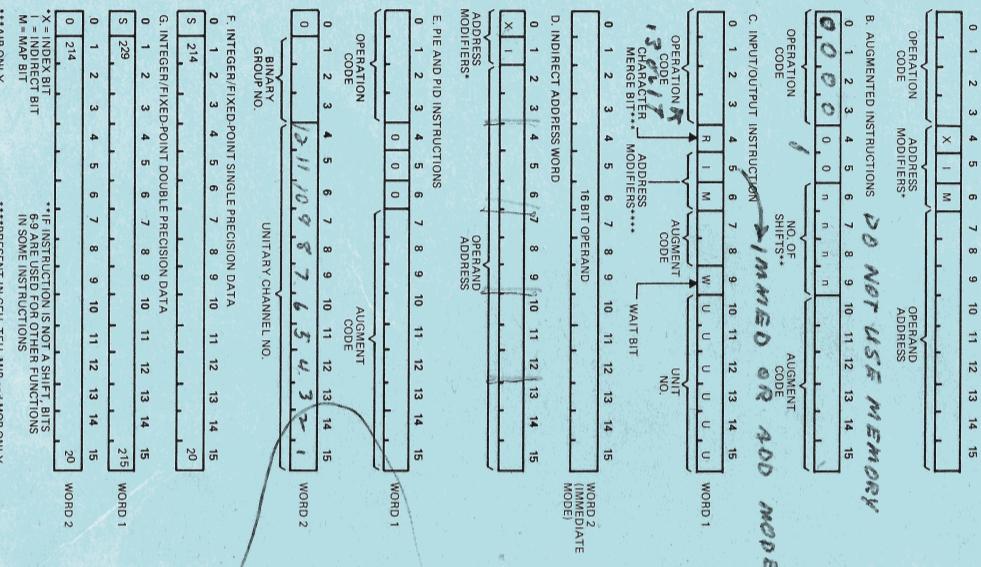


**SEL 810
PROGRAMMER'S REFERENCE CARD
(810A/810B)**

INSTRUCTION AND DATA WORD FORMATS



CEU SECOND WORD FORMAT

MAGNETIC TAPE FORMAT	0	WORD CHANNEL INTERRUPT	END OF RECORD INTERRUPT	0	REWIND	ERASE PAPER TAPE OR TAPE	DEENSITY	TAPE TRANSPORT	CURRENT WORD ADDRESS IN	CHARACTERS PER WORD**
AIR-11/35	0	WORD CHANNEL INTERRUPT	END OF RECORD INTERRUPT	1	WRITE RECORD	WRITE END OF FILE	READ RECORD	ADVANCE END OF FILE	BACKSPACE RECORD	
PAPER TAPE READER AND PUNCH	0	IN	OUT	0	READ MODE	CLEAR	PWR ON	PWR OFF		
CARD READER/PUNCH	0	RTG INITIALIZE		1	KEY MODE					
X-Y PLOTTER	0	PROCEDURE COMPLETE		0						
LINE PRINTER	0	END OF PRINT	BUFFER FULL BODY	0	PUNCH POWER ON	PUNCH POWER OFF	READER ENABLE	READER SHARABLE		
MOVABLE HEAD DISC SEEK	0	SEEK ERROR	SEEK COMPLETE	0	FEED CARD	FEED STACKER OFFSET	PERF CARD PUNCH	EJECT CARD PUNCH	PUNCH STACKER OFFSET	
MOVABLE HEAD DISC DATA	0	SEEK ERROR	SEEK COMPLETE	1	PEN DOWN	PEN UP	DRUM UP	CARRIAGE LEFT	CARRIAGE RIGHT	
FIXED HEAD DISC SELECT TRACK	0	CHCKSUM ERROR OR PROGRAM ERRO	READ SEQUENTIAL	1	ADVANCE TO FIRST TAPE CHANNEL ***	ADVANCE LINE	PRINT	CLEAR BUFFER	FILL BUFFER	
FIXED HEAD DISC READ	0	CHCKSUM ERROR OR PROGRAM ERRO	READ OVERFLOW OR WRITE OVERFLOW	1	NUMBER OF TRACKS TO BE MOVED					
FIXED HEAD DISC WRITE	0	CHCKSUM ERROR OR PROGRAM ERRO	OVERFLOW	1						
GRT	0	OVERFLOW	STOP	0	DISPLAY ON	DISPLAY OFF				

*INTERRUPT LEVELS:
BIT 2 = GROUP 1, LEVEL 1
BIT 3 = GROUP 1, LEVEL 2

**MAGNETIC TAPE DENSITY:

BITS 8 9	DENSITY	BITS 14 15	CHARACTERS PER WORD
0 0	200 BPI	0 1	1
0 1	556 BPI	1 0	2
1 0	800 BPI	1 1	3
		0 0	4

***WHEN A ONE IS PRESENT IN BIT POSITION 4, ADVANCE TO THE FORMAT TAPE CHANNEL NUMBER (EXPRESSED IN OCTAL) REPRESENTED BY THE BITS PRESENT IN POSITIONS 7, 8 AND 9.

****TO SEEK TRACK 00 BOTH BITS MUST BE ZERO.

TEU SECOND WORD FORMAT

CARD READER AND PUNCH	0	SKIP ON NO PROGRAM ERRO	SKIP ON DISC READ OVERFLOW	0	SKIP IF SEEK COMPLETE	SKIP ON NO DISC WRITE OVERFLOW	SKIP ON SEEKING OF DISC	SKIP ON SEEKING OF SECTOR	SKIP IF PAGE ON LINE	SKIP IF NO ALIAS OVERFLOW	SKIP IF NO DISK ERROR	SKIP IF NO CRC ERROR	SKIP IF NO GATE	SKIP IF NOT READY
MOVABLE HEAD DISC	0	SKIP ON NO PROGRAM ERRO	SKIP ON NO DISC OVERFLOW	0	SKIP ON NO CHECKSUM ERRO	SKIP ON NO DISC FILE NAME PROTECTED	SKIP ON DISC CONTROLLER NOT BUSY	SKIP ON SEEKING OF SECTOR	SKIP IF PAGE ON LINE	SKIP IF NO ALIAS OVERFLOW	SKIP IF NO DISK ERROR	SKIP IF NO CRC ERROR	SKIP IF NO GATE	SKIP IF NOT READY
MAGNETIC TAPE	0	SKIP ON NO PROGRAM ERRO	SKIP ON LOAD POINT	0	SKIP ON NO PARITY ERRO	SKIP ON WRITE SYNC IN	SKIP ON REWINDING	SKIP ON END OF TAPE	SKIP IF PAGE ON LINE	SKIP IF NO ALIAS OVERFLOW	SKIP IF NO DISK ERROR	SKIP IF NO CRC ERROR	SKIP IF NO GATE	SKIP IF NOT READY
LINE PRINTER	0	SKIP ON NO PROGRAM ERRO		0	SKIP IF NO PARITY ERRO				SKIP IF NO BOTTOM OF FORM	SKIP IF PAGE ON LINE	SKIP IF NO DISK ERROR	SKIP IF NO CRC ERROR	SKIP IF NO GATE	SKIP IF NOT READY
INTERVAL TIMER	0			0					DISPLAY ZERO COUNT INTERRUPT					

