

S P E C I F I C A T I O N

GIER
ELECTRONICS

SOFTWARE

TABLE
OF
CODES



INPUT/OUTPUT DEVICE

OFF LINE TYPEWRITER	ON LINE TYPEWRITER	OFF LINE TYPEWRITER	ON LINE TYPEWRITER
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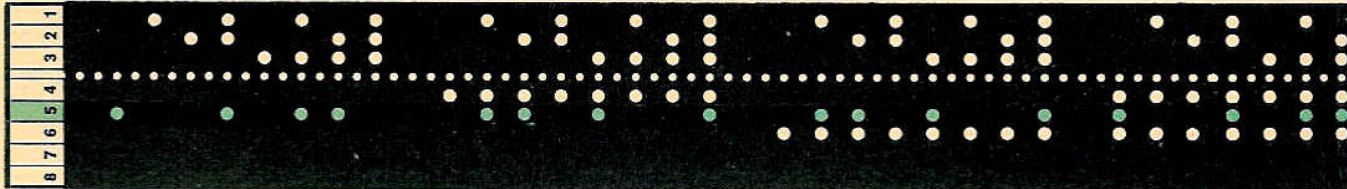
LC UC

SP	1	2	3	4	5	6	7	8	9	STOP	END	—	0	<	s	t	u	v	w	x	y	z	,	CLEAR	TAB					
SP	1	2	3	4	5	6	7	8	9	SP	SP	U	A	—	%	0	<	S	T	U	V	W	X	Y	Z	SP	,	SP	SP	TAB
SP	<	>	S	T	U	V	W	X	Y	Z	10	CLEAR	TAB	RR	TAB	RR	TAB	RR	TAB	RR	TAB	RR	TAB	RR	TAB	RR	TAB	RR	TAB	

OCTAL VALUE

00 01 02 03 04 05 06 07 10 11 12 13 14 15 16 17 20 21 22 23 24 25 26 27 30 31 32 33 34 35 36

PUNCHED TAPE CODE



Track 5 (marked in blue) forms the parity check, so that the number of holes in each row is always odd.

NOTES

General Control Characters
 SP Space. Note that on the line printer several values have this same effect.
 LC Lower Case
 UC Upper Case
 CR Carriage Return. The paper is spaced one line.
 TAB Tabulation. The effect of this character on the line printer is different from that on the typewriters.

Special Puncting Functions
 AUX Aux(iliary) Function
 PA Punch Address Function
 AUX/PA Can only be punched in combination with other characters.

GIER ALGOL Control Characters
 END End Code. Punched using AUX + SP. Prints as 0.
 CLEAR Clear Code. Punched using AUX + 0.
 SUM Sum Code. Punched using AUX + A.
 ON Punch On. Prints as * or ' .
 OFF Punch Off. Prints as SP.

Line Printer Control Characters
 CR Carriage Return. A line is printed and the paper is fed one line.
 The CR character may be combined with one or more of the following values to provide printing with paper throw instead of single-line spacing, until a hole in an appropriate track of the format control tape is sensed:
 + 1 -> track 2
 + 2 -> track 4
 + 4 -> track 6

DECIMAL VALUE

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

The modification + 16 causes printing, but inhibits paper throw and line feeding. (This latter function may be modified on request to double line feeding).

Line Printer Control Characters can be punched using the PA function and if necessary, the AUX function to give the appropriate value between 65 and 80.

TAB: Tabulation Position follows. Twice the decimal value of the character following the TAB: character indicates the next printing position to be used.

On-Line Typewriter Control Characters

RR Red Ribbon. Punched using AUX + <.

BR Black Ribbon. Punched using AUX + B.

TAB Tabulation. The carriage is moved to the next tab stop.

Off-Line Typewriter Control Characters

ON Punch On

OFF Punch Off

TF Tape Feed. Can also be punched using AUX + C.

STOP The off-line typewriter stops.

TAB Tabulation. The carriage is moved to next tab stop.

Miscellaneous

A Available on the on-line typewriter and the line printer. Punched using AUX + 1.

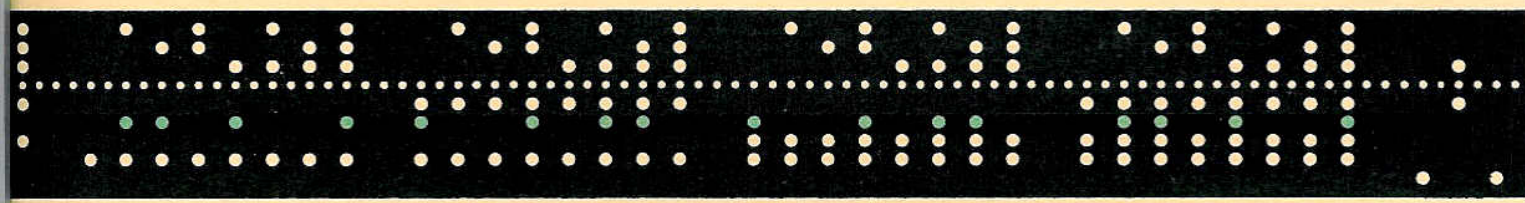
U Available on the line printer only. Punched using AUX + SP (same as END).

% & Available on the line printer only. Punched using AUX + 3.

— or | Does not advance the carriage on the typewriters, but occupies one printer position on the line printer.

All values between 0 and 127, i.e. any combination of holes in all eight tracks, can be punched with the on-line punch and read by the GIER Computer. The above-mentioned conventions for punching apply solely to the off-line typewriter, and this edition of the Table of Codes is revised in accordance with the conventions applicable to the Anelex Line Printer, Series 5.

40 41 42 43 44 45 46 47 50 51 52 53 54 55 56 57 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 100 14 100



SP	+	J	K	L	M	N	O	P	Q	R	Ø	:	SP	SP	SP	Æ	A	B	C	D	E	F	G	H	I	LC	:	UC	SP	SP	SP	CR	
OFF	+	J	K	L	M	N	O	P	Q	R	Ø	ON				Æ	A	B	C	D	E	F	G	H	I	LC	:	UC	BR		CR		
SP	-	J	K	L	M	N	O	P	Q	R	SP	Ø	*	SP	SP	SP	Æ	A	B	C	D	E	F	G	H	I	LC	.	UC	SP	SP	SP	CR
OFF	-	j	k	l	m	n	o	p	q	r	ø	ON				æ	a	b	c	d	e	f	g	h	i	LC	.	UC	BR		CR		

32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 12 64