

MARK II

TERMINAL OPERATIONS



World Leader
In Time-Sharing
Service

Execuport 300 Data Terminal*

*Hereinafter referred to as "Execuport 300"

ACCESSING THE SYSTEM

- Acquaint yourself with the contents of the MARK II Command System reference manual (GE Publication 711223).
- Turn terminal power switch "ON" and set following switches in the positions indicated:

<u>Switch</u>	<u>Position</u>
MODE	LINE
DUPLEX	HALF
CHAR/SEC	10
PARITY	EVEN
QSL	LOWER (optional)

- Dial your MARK II/Network access number and connect your terminal to the system following the terminal/coupler manufacturer's instructions.
- Sign on — either upper or lower case. After sign-on, use the SPEED command to receive output at 15 or 30 characters per second.
- Alternatively, you can sign on with the "CHAR/SEC" switch in either the "15" or "30" position. In this case, within 5 seconds after the "READY" light goes on, type a lower case "h"; press the "CR" key. You will then go into the sign-on sequence at the rate specified.

USING THE DOCUMENTATION

NOTE: GE Time-Sharing documentation employs Model 33, Model 35, or DATANET ® 730 character sets for illustrative purposes.

<u>Documentation Shows</u>	<u>On This Device Press</u>	<u>Function</u>	<u>ASCII Decimal Code</u>
CTRL SHIFT L	SHIFT <	For Filenames and Passwords	28
CTRL SHIFT M	SHIFT =		29
CTRL SHIFT N	SHIFT >		30
CTRL SHIFT Ø	SHIFT ?		31
CTRL X	SHIFT 8		Line Delete	24
BREAK	BRK	Stop Execute	(none)

NOTES AND HINTS

- A complete ASCII code chart and comparison with Model 33, Model 35, and DATANET 730 appears on the reverse side of this card. This table is useful for users converting from upper-case teletypewriters, as well as for users who have a variety of equipment and need to compare character sets.
- Standard line delete (ASCII decimal code 24) and character delete (ASCII decimal code 95) can be changed by use of the SET command.
- See manufacturer's operating instructions for terminal responses to codes received.
- The "QSL" switch can be set to "UPPER" (see manufacturer's instructions). The table on the reverse is based on the "LOWER" mode only.
- The "DUPLEX" switch can be set to "FULL"; in this case, the characters generated at the terminal will not be echo-printed at the terminal.
- The character for the numeric zero is "Ø"; the alphabetic "oh" is represented by "O".

MODEL 33, MODEL 35 DATANET 730		EXECUPORT 300					ASCII	
PRESSING KEY(S) SHOWN GENER- ATES CODE SHOWN IN ASCII COLUMN	PRINTS	PRESSING KEY(S) SHOWN GENER- ATES CODE SHOWN IN ASCII COLUMN			PRINTS WHEN		DECIMAL CODE	CHARACTER
		S	C	C/S	CODE IS GENERATED	CODE IS RECEIVED		
CTRL SHIFT P			@				0	NUL
CTRL A		!	A			!	1	SOH
CTRL B		"	B			"	2	STX
CTRL C		#	C			#	3	ETX
CTRL D		\$	D			\$	4	EOT
CTRL E		%	E			%	5	ENQ
CTRL F		&	F			&	6	ACK
CTRL G		'	G			'	7	BEL
CTRL H		(	H			(	8	BS
CTRL I		)	I			)	9	HT
LINE FEED or CTRL J	LF	*	J			*	10	LF
CTRL K		+	K			+	11	VT
CTRL L			L				12	FF
RETURN or CTRL M	CR	-	M			-	13	CR
CTRL N		.	N			.	14	SO
CTRL O		/	O			/	15	SI
CTRL P		0	P			0	16	DLE
CTRL Q		1	Q			1	17	DC1
CTRL R		2	R			2	18	DC2
CTRL S		3	S			3	19	DC3
CTRL T		4	T			4	20	DC4
CTRL U		5	U	◇	◇	5	21	NAK
CTRL V		6	V			6	22	SYN
CTRL W		7	W			7	23	ETB
CTRL X		8	X			8	24	CAN
CTRL Y		9	Y			9	25	EM
CTRL Z		:	Z			:	26	SUB
ESC or CTRL SHIFT K	ESC	;	[			;	27	ESC
CTRL SHIFT L		<	\			<	28	FS
CTRL SHIFT M		=	|			=	29	GS
CTRL SHIFT N		>	↑			>	30	RS
CTRL SHIFT O		?	←	Rub Out		?	31	US
(Space Bar)	(Space)		@				32	SP
SHIFT 1	!	!	A	!	!	!	33	!
SHIFT 2	"	"	B	"	"	"	34	"
SHIFT 3	#	#	C	#	#	#	35	#
SHIFT 4	\$	\$	D	\$	\$	\$	36	\$
SHIFT 5	%	%	E	%	%	%	37	%
SHIFT 6	&	&	F	&	&	&	38	&
SHIFT 7	'	'	G	'	'	'	39	'
SHIFT 8	(	(	H	(	(	(	40	(
SHIFT 9	)	)	I	)	)	)	41)
SHIFT :	*	*	J	*	*	*	42	*
SHIFT ;	+	+	K	+	+	+	43	+
,	,	(Comma -Hyphen minus)	L	,	,	,	44	,
-	-	CR	M	-	-	-	45	-
.	.		N	.	.	.	46	.
/	/		O	/	/	/	47	/
0	0	0	P	0	0	0	48	0
1	1	1	Q	1	1	1	49	1
2	2	2	R	2	2	2	50	2
3	3	3	S	3	3	3	51	3
4	4	4	T	4	4	4	52	4
5	5	5	U	5	5	5	53	5
6	6	6	V	6	6	6	54	6
7	7	7	W	7	7	7	55	7
8	8	8	X	8	8	8	56	8
9	9	9	Y	9	9	9	57	9
:	:	:	Z	:	:	:	58	:
;	;	ESC	[	;	;	;	59	[
SHIFT <	<	<	\	<	<	<	60	\
SHIFT =	=	=	|	=	=	=	61	|
SHIFT >	>	>	↑	>	>	>	62	↑
SHIFT /	?	?	←	?	?	?	63	←

MODEL 33, MODEL 35 DATANET 730		EXECUPORT 300					ASCII		
PRESSING KEY(S) SHOWN GENER- ATES CODE SHOWN IN ASCII COLUMN	PRINTS	PRESSING KEY(S) SHOWN GENER- ATES CODE SHOWN IN ASCII COLUMN			PRINTS WHEN		DECIMAL CODE	CHARACTER	
		S	C	C/S	CODE IS GENERATED	CODE IS RECEIVED			
SHIFT P	@	@			(Space)	@	@	64	@
A	A	A			!	A	A	65	A
B	B	B			"	B	B	66	B
C	C	C			#	C	C	67	C
D	D	D			\$	D	D	68	D
E	E	E			%	E	E	69	E
F	F	F			&	F	F	70	F
G	G	G			'	G	G	71	G
H	H	H			(	H	H	72	H
I	I	I			)	I	I	73	I
J	J	J	LF		*	J	J	74	J
K	K	K			+	K	K	75	K
L	L	L				L	L	76	L
M	M	M	CR		-	M	M	77	M
N	N	N			.	N	N	78	N
O	O	O			/	O	O	79	O
P	P	P			0	P	P	80	P
Q	Q	Q			1	Q	Q	81	Q
R	R	R			2	R	R	82	R
S	S	S			3	S	S	83	S
T	T	T			4	T	T	84	T
U	U	U			5	U	U	85	U
V	V	V			6	V	V	86	V
W	W	W			7	W	W	87	W
X	X	X			8	X	X	88	X
Y	Y	Y			9	Y	Y	89	Y
Z	Z	Z			:	Z	Z	90	Z
SHIFT K	[	[			ESC	;	[	91	[
SHIFT L	\	\			<	<	\	92	\
SHIFT M	|	|			=	=	|	93	|
SHIFT N	↑	↑			>	>	↑	94	↑
SHIFT O	←	←	Rub Out		?	?	←	95	←
	@	@			(Space)			96	`
A	A	A			!	a	a	97	a
B	B	B			"	b	b	98	b
C	C	C			#	c	c	99	c
D	D	D			\$	d	d	100	d
E	E	E			%	e	e	101	e
F	F	F			&	f	f	102	f
G	G	G			'	g	g	103	g
H	H	H			(	h	h	104	h
I	I	I			)	i	i	105	i
J	J	J	*		LF	j	j	106	j
K	K	K	+			k	k	107	k
L	L	L			.	l	l	108	l
M	M	M			-	m	m	109	m
N	N	N			.	n	n	110	n
O	O	O			/	o	o	111	o
P	P	P			0	p	p	112	p
Q	Q	Q			1	q	q	113	q
R	R	R			2	r	r	114	r
S	S	S			3	s	s	115	s
T	T	T			4	t	t	116	t
U	U	U			5	u	u	117	u
V	V	V			6	v	v	118	v
W	W	W			7	w	w	119	w
X	X	X			8	x	x	120	x
Y	Y	Y			9	y	y	121	y
Z	Z	Z			:	z	z	122	z
;	;	;			ESC	;	;	123	;
<	<	<			<	<	<	124	<
=	=	=			=	=	=	125	=
>	>	>			>	>	>	126	>
?	?	?	Rub Out		P	~	~	127	DEL

Corresponding ASCII codes cannot be generated, but terminal will print characters at right if code is received except that the DATANET 730 will not print a character when it receives ASCII decimal codes 124, 125, 126

NOTES: Shaded Area -- Areas of commonality with documentation and Model 33, Model 35, and DATANET 730 characters.
 Backspace key produces decimal code 8 in all modes.
 In Execuport 300 "To Generate ASCII Code Press" column, the subcolumns show codes generated by individual keys, keys plus SHIFT(S), keys plus CTRL(C), and keys plus SHIFT plus CTRL(C/S), respectively.
 ASCII Decimal Code -- 33, exclamation point; 39, apostrophe; 44, comma; 45, hyphen-minus; 95, underline; 96, grave accent; 124, broken vertical line.

MARK II

TERMINAL OPERATIONS



World Leader
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TermiNet* 300 Data Communications Printer

*Trademark of General Electric Company, USA

ACCESSING THE SYSTEM

- Acquaint yourself with the contents of the MARK II Command System reference manual (GE Publication 711223).
- Turn power switch "ON".
- Press the "ON LINE" button and be sure that it lights; if the "INTERRUPT" button is lit, press it and be sure that it goes out.
- Place the "RATE" switch in the "10" position and the "TRANSPARENCY" switch in the "OFF" position.
- Dial your MARK II/Network access number and connect your printer to the system following the printer/coupler/dataset manufacturer's instructions.
- Sign on — either upper or lower case.
- Alternatively, you can sign on with the "RATE" switch in either the "15" or "30" position. In this case, within 5 seconds after the "READY" light goes on, type a lower case "h"; immediately press the "RETURN" key. You will then go into the sign-on sequence at the rate specified.

USING THE DOCUMENTATION

NOTE: GE Time-Sharing documentation employs Model 33, Model 35, or DATANET ® 730 character sets for illustrative purposes.

<u>Documentation Shows</u>	<u>On This Device Press</u>	<u>Function</u>	<u>ASCII Decimal Code</u>
←	— (Underline)	Character Delete	95
↑	^ (Shift ~)	Exponentiation	94
CTRL SHIFT L	{ CTL : (Vertical Line)	{ for	{ 28
CTRL SHIFT M	{ CTL }	{ Filenames	{ 29
CTRL SHIFT N	{ CTL ~ (Tilde)	{ and	{ 30
CTRL SHIFT Ø	{ CTL _ (Underline)	{ Passwords	{ 31
BREAK	INTERRUPT	Stop Execute	(none)

NOTES AND HINTS

- A complete ASCII code chart and comparison with Model 33, Model 35, and DATANET 730 appears on the reverse side of this card. This table is useful for users converting from upper-case teletypewriters, as well as for users who have a variety of equipment and need to compare character sets.
- The printer can be set to "CAPS ONLY" mode — it will then operate like a Model 33, Model 35, or DATANET 730. The table on the reverse is based on "NORMAL" mode (upper and lower case).
- Standard character delete (ASCII decimal code 95) can be changed by use of the SET command. The underline (—) can then be used as a normal character.
- When the "CTL" key is depressed, pressing the "SHIFT" key simultaneously will not affect the code generated.
- See manufacturer's operating instructions for printer responses to codes received.
- The "ESC" key when pressed simultaneously with any other key will generate a decimal code 27.
- TermiNet 300 punched tape is compatible with the system; tape leaders must contain multiple "DEL" punches.

TERMINET 300 PRINTER						
MODEL 33, MODEL 35, DATANET 730		PRESSING KEY(S) SHOWN GENERATES CODE SHOWN IN ASCII COLUMN	PRINTS WHEN		ASCII	
PRESSING KEY(S) SHOWN GENERATES CODE SHOWN IN ASCII COLUMN	PRINTS		CODE IS GENERATED	CODE IS RECEIVED	DECIMAL CODE	CHARACTER
CTRL SHIFT P		CTL ` (Grave Accent)			0	NUL
CTRL A		CTL A			1	SØH
CTRL B		CTL B			2	STX
CTRL C		CTL C			3	ETX
CTRL D		CTL D			4	EØT
CTRL E		CTL E			5	ENQ
CTRL F		CTL F			6	ACK
CTRL G		CTL G			7	BEL
CTRL H		BS or CTL H			8	BS
CTRL I		HT or CTL I			9	HT
LINE FEED or CTRL J		LF or CTL J			10	LF
CTRL K		VT or CTL K			11	VT
CTRL L		FF or CTL L			12	FF
RETURN or CTRL M		RETURN or CTL M			13	CR
CTRL N		CTL N			14	SØ
CTRL Ø		CTL Ø			15	SI
CTRL P		CTL P			16	DLE
CTRL Q		CTL Q			17	DC1
CTRL R		CTL R			18	DC2
CTRL S		CTL S			19	DC3
CTRL T		CTL T			20	DC4
CTRL U		CTL U			21	NAK
CTRL V		CTL V			22	SYN
CTRL W		CTL W			23	ETB
CTRL X		CTL X			24	CAN
CTRL Y		CTL Y			25	EM
CTRL Z		CTL Z			26	SUB
ESC or CTRL SHIFT K		CTL {			27	ESC
CTRL SHIFT L		CTL | (Broken Vertical Line)			28	FS
CTRL SHIFT M		CTL }			29	GS
CTRL SHIFT N		CTL ~ (Tilde)			30	RS
CTRL SHIFT Ø		CTL _ (Underline)			31	US
(Space Bar)		(Space Bar)			32	SP
SHIFT 1	!	SHIFT 1	!	!	33	!
SHIFT 2	"	SHIFT 2	"	"	34	"
SHIFT 3	#	SHIFT 3	#	#	35	#
SHIFT 4	\$	SHIFT 4	\$	\$	36	\$
SHIFT 5	%	SHIFT 5	%	%	37	%
SHIFT 6	&	SHIFT 6	&	&	38	&
SHIFT 7	'	SHIFT 7	'	'	39	'
SHIFT 8	(	SHIFT 8	(	(	40	(
SHIFT 9	)	SHIFT 9	)	)	41)
SHIFT :	*	SHIFT :	*	*	42	*
SHIFT ;	+	SHIFT ;	+	+	43	+
,	,	(Comma)	,	,	44	,
-	-	(Hyphen-Minus)	-	-	45	-
.	.		.	.	46	.
/	/		/	/	47	/
0	0		0	0	48	0
1	1		1	1	49	1
2	2		2	2	50	2
3	3		3	3	51	3
4	4		4	4	52	4
5	5		5	5	53	5
6	6		6	6	54	6
7	7		7	7	55	7
8	8		8	8	56	8
9	9		9	9	57	9
:	:		:	:	58	:
:	:		:	:	59	:
SHIFT ,	<	SHIFT ,	<	<	60	<
SHIFT -	=	SHIFT -	=	=	61	=
SHIFT .	>	SHIFT .	>	>	62	>
SHIFT /	?	SHIFT /	?	?	63	?

TERMINET 300 PRINTER						
MODEL 33, MODEL 35, DATANET 730		PRESSING KEY(S) SHOWN GENERATES CODE SHOWN IN ASCII COLUMN	PRINTS WHEN		ASCII	
PRESSING KEY(S) SHOWN GENERATES CODE SHOWN IN ASCII COLUMN	PRINTS		CODE IS GENERATED	CODE IS RECEIVED	DECIMAL CODE	CHARACTER
SHIFT P	@	SHIFT ` (Grave Accent)	@	@	64	@
A	A	SHIFT A	A	A	65	A
B	B	SHIFT B	B	B	66	B
C	C	SHIFT C	C	C	67	C
D	D	SHIFT D	D	D	68	D
E	E	SHIFT E	E	E	69	E
F	F	SHIFT F	F	F	70	F
G	G	SHIFT G	G	G	71	G
H	H	SHIFT H	H	H	72	H
I	I	SHIFT I	I	I	73	I
J	J	SHIFT J	J	J	74	J
K	K	SHIFT K	K	K	75	K
L	L	SHIFT L	L	L	76	L
M	M	SHIFT M	M	M	77	M
N	N	SHIFT N	N	N	78	N
Ø	Ø	SHIFT Ø	Ø	Ø	79	Ø
P	P	SHIFT P	P	P	80	P
Q	Q	SHIFT Q	Q	Q	81	Q
R	R	SHIFT R	R	R	82	R
S	S	SHIFT S	S	S	83	S
T	T	SHIFT T	T	T	84	T
U	U	SHIFT U	U	U	85	U
V	V	SHIFT V	V	V	86	V
W	W	SHIFT W	W	W	87	W
X	X	SHIFT X	X	X	88	X
Y	Y	SHIFT Y	Y	Y	89	Y
Z	Z	SHIFT Z	Z	Z	90	Z
SHIFT K	[	SHIFT [(Broken Vertical Line)	[	[	91	[
SHIFT L	\	SHIFT \ (Broken Vertical Line)	\	\	92	\
SHIFT M	]	SHIFT ]	]	]	93]
SHIFT N	^	SHIFT ^ (Tilde)	^	^	94	^
SHIFT Ø	~	SHIFT ~ (Underline)	~	~	95	~
	@	` (Grave Accent)	`	`	96	`
	A	A	a	a	97	a
	B	B	b	b	98	b
	C	C	c	c	99	c
	D	D	d	d	100	d
	E	E	e	e	101	e
	F	F	f	f	102	f
	G	G	g	g	103	g
	H	H	h	h	104	h
	I	I	i	i	105	i
	J	J	j	j	106	j
	K	K	k	k	107	k
	L	L	l	l	108	l
	M	M	m	m	109	m
	N	N	n	n	110	n
	Ø	Ø	o	o	111	o
	P	P	p	p	112	p
	Q	Q	q	q	113	q
	R	R	r	r	114	r
	S	S	s	s	115	s
	T	T	t	t	116	t
	U	U	u	u	117	u
	V	V	v	v	118	v
	W	W	w	w	119	w
	X	X	x	x	120	x
	Y	Y	y	y	121	y
	Z	Z	z	z	122	z
	{	{	{	{	123	{
	|	| (Broken Vertical Line)	|	|	124	|
	~	~ (Tilde)	~	~	125	~
	^	^	^	^	126	^
RUBOUT		DEL			127	DEL

Corresponding ASCII codes cannot be generated, but terminal will print characters at right if code is received except that the DATANET 730 will not print a character when it receives ASCII decimal codes 124, 125, and 126.

NOTES: Shaded Area -- Areas of commonality with documentation and Model 33, Model 35, and DATANET 730 characters.
 ASCII Decimal Code -- 33, exclamation point; 39, apostrophe; 44, comma; 45, hyphen-minus; 95, underline; 96, grave accent; 124, broken vertical line.

MARK II

TERMINAL OPERATIONS



World Leader
In Time-Sharing
Service

Model 37 ASR Teletypewriter*

*Hereinafter referred to as "Model 37"

ACCESSING THE SYSTEM

- Acquaint yourself with the contents of the MARK II Command System reference manual (GE Publication 711223).
- Dial your MARK II/Network access number and connect your teletypewriter to the system following the teletypewriter/coupler manufacturer's instructions.
- Immediately after connection is made, press the "PROCEED" button; within 5 seconds, type a lower case "h" and press the "RETURN" key.
- Sign on — either upper or lower case.

USING THE DOCUMENTATION

NOTE: GE Time-Sharing documentation employs Model 33, Model 35, or DATANET ® 730 character sets for illustrative purposes.

<u>Documentation Shows</u>	<u>On This Device Press</u>	<u>Function</u>	<u>ASCII Decimal Code</u>			
↑	^	Exponentiation	94			
←	___ (Underline)	Character Delete	95			
CTRL SHIFT L } CTRL SHIFT M } CTRL SHIFT N } CTRL SHIFT Ø }	CONTRL \ } CONTRL] } CONTRL ^ }	for } Filenames } and }	28 } 29 } 30 }			
				CONTRL ___ (Underline)	Passwords	31
				INTRPT	Line Delete	(none)

NOTES AND HINTS

- A complete ASCII code chart and comparison with Model 33, Model 35, and DATANET 730 appears on the reverse side of this card. This table is useful for users converting from upper-case teletypewriters, as well as for users who have a variety of equipment and need to compare character sets.
- Standard line delete (ASCII decimal code 24) and character delete (ASCII decimal code 95) can be changed by use of the SET command.
- See manufacturer's operating instructions for terminal responses to codes received.
- Depressing the "SHIFT" key simultaneously with the "CONTRL" key will not change the control character generated.

