REGISTER	FUNCTION	RANGE	DEFAULT
S0	Number of rings to wait before answering. When set to 0, auto-answer is disabled.	0-255	0
S1	Count of current rings if no rings during last eight seconds.	0-255	0
S2	ASCII value of escape code character	0-127	43 (+)
S3	ASCII value of carriage return character	0-127	13 (CR)
S4	ASCII value of line feed character	0-127	10 (LF)
S5	ASCII value of backspace character	0-32,127	8 (BS)
S6	Maximum dial tone wait time before dialing (seconds)	2-255	2
S7	Wait time for carrier after dialing (seconds)	1-255	30
S8	Pause time for comma (seconds)	0-255	2
S9	Carrier detect response time (0.1 seconds)	1-255	6
S10	Carrier loss response time (0.1 seconds)	1-255	14
S11	Not used		0
S12	Escape code guard time (0.02 seconds)	20-255	50
S13	Not used		0
S14	Bit mapped options (as below)		
	Bit 0 - Not used		0
	Bit 1 - Local echo enabled/disabled (1/0)		1
	Bit 2 - Result codes enabled/disabled (0/1)		0
	Bit 3 - Result codes digits/words (0/1)		1
	Bit 4 - Smart/dumb module (0/1)		0
	Bit 5 - Tone/pulse dial (0/1)		1
	Bit 6 - Not used		0
	Bit 7 - Answer/originate mode (0/1)		1
S15			0

S16	Modem test options (as below)		
	Bit 0 - Local analog loopback disabled/enabled (0/1) (&T1)		0
	Bit 1 - Not used		0
	Bit 2 - Local digital loopback disabled/enabled (0/1) (&T3)		0
	Bit 3 - Loopback status off/on (0/1) (&T4, &T5)		0
	Bit 4 - Remote digital loopback disabled/enabled (0/1) (&T6)		0
	Bit 5 - Expanded RDL disabled/enabled (0/1) (&T7)		0
	Bit 6 - Expanded LAL disabled/enabled (0/1) (&T8)		0
	Bit 7 - Not used		0
S17			
S18	Test timer (seconds, 0 to disable)	0-255	0
S19	Not used		
S20	Not used		
S21	Bit mapped options (as below)		
	Bit 0 - Not used		0
	Bit 1 - Not used		0
	Bit 2 - CTS follows RTS/carrier signal (0/1)		0
	Bit 4&3 - 00 = &D0; 01 = &D1; 10 = &D2; 11 = &D3		00
	Bit 5 - DCD always on/follows off hook (0/1)		0
	Bit 6 - DSR always on/follows off hook (0/1)		0
	Bit 7 - Disable/enable long space disconnect (0/1)		0
S22	Bit mapped options (as below)		
	Bit 1&0 - 01 = L1; 10 = L2; 11 = L3		10
	Bit 3&2 - 00 = M0; 01 = M1; 10 = M2; 11 = M3		01
	Bit 6&5&4 - 000 = X0; 100 = X1; 101 = X2; 110 = X3; 111 = X4		111
	Bit 7 - Make/break ratio US/UK (0/1)		0

S23	Bit mapped options (as below)		
	Bit 0 - Ignore/accept loopback request (0/1) (&T4, &T5)		1
	Bit 2&1 - 00 = 0-300 bps; 01 = 600 bps; 10 = 1200 bps; 11 = 2400 bps		11
	Bit 3 - Not used		0
	Bit 5&4 - 00 = Even parity; 01 = Space parity; 10 = Odd parity; 11 = Mark/no parity		01
	Bit 7&6 - 00 = Disable; 01 = 550 Hz; 10 = 1800 Hz guard tone		00
S24	Not used		0
S25	DTR Detection - Async (.01 sec.) - Sync (seconds)	0-255 1-255	5 5
S26	RTS to CTS delay (.01 seconds)	0-255	1
S27	Bit mapped options (as below)		
	Bit 1&0 - 00 = Async; 01 = Sync M1; 10 = Sync M2; 11 = Sync M3		00
	Bit 2 - Dialup/leased line (0/1)		0
	Bit 3 - Not used		0
	Bit 4 - Not used		0
	Bit 5 - Not used		0
	Bit 6 - CCITT/Bell (0/1)		1
	Bit 7 - Not used		0

NOTE: The values returned for these registers may be different than as shown in the above tables depending on the parameters of the computer. For example:

If the computer is set for odd parity S23 will return 10 for bits 5 and 4.

(smm 07/28/93)