

Reference Data

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Setup Parameter Tables

The following table includes all the setup parameters for the various modes of the DV-1000.

PLC CPU V-memory Locations	DV-1000 Parameter Description	Operational Mode	See Chapter Number
V7620	Change Preset Values Pointer	CHG PRE	6
V7621	Change Preset Titles Pointer	CHG PRE	6
V7622	Change Preset Block Size	CHG PRE	6
V7623	Numeric Message Pointer	MSG	4
V7624	Text Messages Pointer	MSG	4
V7625	Bit Control Pointer	BIT CNTRL	7
V7626	Powerup Operational Mode	Power-up Default	3
V7627	Change Preset Value Password	CHG PRE	6
V7720*	Titled Timer Preset Value Pointer	CHG PRE	6
V7721*	Titled Counter Preset Value Pointer	CHG PRE	6
V7722*, High byte	Titled Timer Preset Block Size	CHG PRE	6
Low byte	Titled Counter Preset Block Size	CHG PRE	6

*DL130 and DL230 CPUs use different memory locations here: V7640 instead of V7720, V7641 instead of V7721, and V7642 instead of V7722.

The next table repeats the setup parameter list, but gives the valid address range for each CPU type and the data type for each setup parameter.

PLC CPU V-memory Locations	DV-1000 Parameter Description	Data Type	DL130 DL230 Ranges	DL240, Ranges	DL250 DL350 DL430 Ranges	DL440 Ranges	DL450 Ranges
V7620	Change Preset Values Pointer	Octal	V2000 to V2377, V4000 to V4177	V2000 to V4377	V1400 to V7377	V1400 to V7377, V10000 - V17777	V1400 to V7377, V10000 - V37777
V7621	Change Preset Titles Pointer	Octal	V2000 to V2377, V4000 to V4177	V2000 to V4377	V1400 to V7377	V1400 to V7377, V10000- V17777	V1400 to V7377, V10000- V37777
V7622	Change Preset Block Size	BCD	1 – 16	1 – 16	1 – 32	1 – 32	1 – 32
V7623	Numeric Message Pointer	Octal	V2000 to V2377, V4000 to V4177	V2000 to V4377	V1400 to V7377	V1400 to V7377, V10000- V17777	V1400 to V7377, V10000- V37777
V7624	Text Message Pointer	Octal	V0000 to V2377, V4000 to V4177	V2000 to V4377	V1400 to V7377	V1400 to V7377, V10000- V17777	V1400 to V7377, V10000- V37777
V7625	Bit Control Pointer	Octal	X, Y, or C V-mem. locations	X, Y, or C V-mem. locations	X, Y, GX, or C V-mem. locations	X, Y, GX, or C V-mem. locations	X, Y, GX, or C V-mem. locations
V7626	Power-up Operational Mode	BCD	0, 1, 2, 12, 3	0, 1, 2, 12, 3	0, 1, 2, 12, 3	0, 1, 2, 12, 3	0, 1, 2, 12, 3
V7627	Change Preset Value Password	BCD	0000 to 9999	0000 to 9999	0000 to 9999	0000 to 9999	0000 to 9999
V7720*	Titled Timer Preset Value Pointer	Octal	–	V2000 to V4377	V1400 to V7377	V1400 to V7377, V10000- V17777	V1400 to V7377, V10000- V37777
V7721*	Titled Counter Preset Value Pointer	Octal	–	V2000 to V4377	V1400 to V7377	V1400 to V7377, V10000- V17777	V1400 to V7377, V10000- V37777
V7722*, High byte	Titled Timer Preset Block Size	BCD	–	1 to 99	1 to 99	1 to 99	1 to 99
V7722*, Low byte	Titled Counter Preset Block Size	BCD	–	1 to 99	1 to 99	1 to 99	1 to 99

*DL130 and DL230 CPUs use memory locations V7640 thru V7642 here.

ASCII Table

There are several versions of the ASCII character codes for various computer platforms and output devices. The following table lists the ASCII characters supported by the *DirectVIEW™* 1000.

HEX	ASCII	HEX	ASCII	HEX	ASCII	HEX	ASCII	HEX	ASCII	HEX	ASCII	HEX	ASCII	HEX	ASCII
00	—	20		40	@	60	'	80	—	A0	—	C0	—	E0	α
01	—	21	!	41	A	61	a	81	—	A1	□	C1	—	E1	ä
02	—	22	"	42	B	62	b	82	—	A2	┌	C2	—	E2	β
03	—	23	#	43	C	63	c	83	—	A3	└	C3	—	E3	ε
04	—	24	\$	44	D	64	d	84	—	A4	▩	C4	—	E4	μ
05	—	25	%	45	E	65	e	85	—	A5	■	C5	—	E5	σ
06	—	26	&	46	F	66	f	86	—	A6	—	C6	—	E6	ϱ
07	—	27	'	47	G	67	g	87	—	A7	—	C7	—	E7	q
08	—	28	(	48	H	68	h	88	—	A8	—	C8	—	E8	—
09	—	29	)	49	I	69	i	89	—	A9	—	C9	—	E9	—
0A	—	2a	*	4A	J	6A	j	8A	—	AA	—	CA	—	EA	í
0B	—	2B	+	4B	K	6B	k	8B	—	AB	—	CB	—	EB	×
0C	—	2C	,	4C	L	6C	l	8C	—	AC	—	CC	—	EC	—
0D	—	2D	-	4D	M	6D	m	8D	—	AD	—	CD	—	ED	—
0E	—	2E	.	4E	N	6E	n	8E	—	AE	—	CE	—	EE	π
0F	—	2F	/	4F	O	6F	o	8F	—	AF	—	CF	—	EF	ö
10	—	30	0	50	P	70	p	90	—	B0	—	D0	—	F0	p
11	—	31	1	51	Q	71	q	91	—	B1	—	D1	—	F1	q
12	—	32	2	52	R	72	r	92	—	B2	—	D2	—	F2	θ
13	—	33	3	53	S	73	s	93	—	B3	—	D3	—	F3	∞
14	—	34	4	54	T	74	t	94	—	B4	I	D4	—	F4	Ω
15	—	35	5	55	U	75	u	95	—	B5	—	D5	—	F5	ü
16	—	36	6	56	V	76	v	96	—	B6	—	D6	—	F6	Σ
17	—	37	7	57	W	77	w	97	—	B7	—	D7	—	F7	∏
18	—	38	8	58	X	78	x	98	—	B8	—	D8	—	F8	×
19	—	39	9	59	Y	79	y	99	—	B9	—	D9	—	F9	u
1A	—	3A	:	5A	Z	7A	z	9A	—	BA	□	DA	—	FA	—
1B	—	3B	;	5B	[	7B	{	9B	—	BB	—	DB	□	FB	—
1C	—	3C	<	5C	—	7C	|	9C	—	BC	—	DC	—	FC	—
1D	—	3D	=	5D	]	7D	}	9D	—	BD	—	DD	—	FD	÷
1E	—	3E	>	5E	^	7E	→	9E	—	BE	—	DE	—	FE	—
1F	—	3F	?	5F	_	7F	←	9F	—	BF	—	DF	□	FF	■

NOTE: If any of the non-useable characters noted as — are used for the messages or titles in the DV-1000, the character will not display.