

### 5-5 USER PARAMETER No. 2

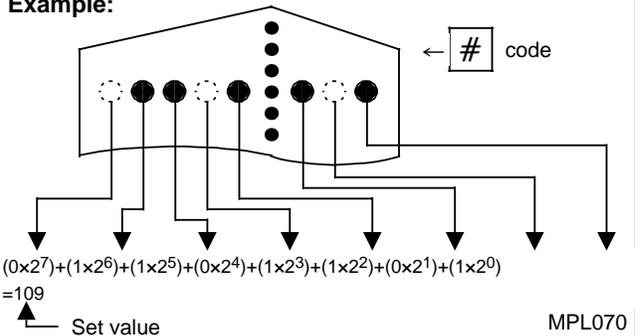
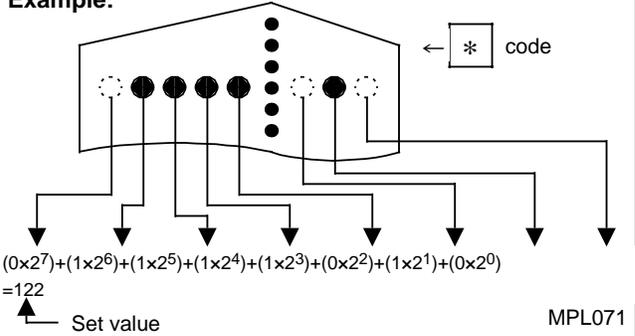
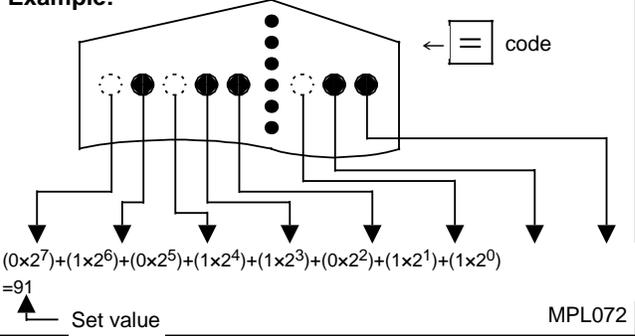
Classification	USER		Display title	USER PARAMETER NO. 2																		
Address	Name		Program type	Description																		
	Unit	Setting range	Conditions																			
G1	CMT baud rate		M · E	CMT baud rate (Parameter for RS-232C interface initialization) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Setting</th> <th>Baud rate</th> </tr> </thead> <tbody> <tr><td>0</td><td>19200</td></tr> <tr><td>1</td><td>9600</td></tr> <tr><td>2</td><td>4800</td></tr> <tr><td>3</td><td>2400</td></tr> <tr><td>4</td><td>1200</td></tr> <tr><td>5</td><td>600</td></tr> <tr><td>6</td><td>300</td></tr> <tr><td>7</td><td>110</td></tr> </tbody> </table>	Setting	Baud rate	0	19200	1	9600	2	4800	3	2400	4	1200	5	600	6	300	7	110
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5	600																					
6	300																					
7	110																					
	—	0 7	At I/O startup																			
G2				Invalid																		
G8																						
G9	—		M · E	<table border="1" style="margin-left: 20px;"> <tr> <td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td>0</td> </tr> </table> <p>Forced loading of tool data (Common to CMT and DNC)</p> <p>0: When loading conditions are not in agreement, forced loading is not performed. 1: When loading conditions are not in agreement, forced loading is performed.</p> <p>Superscription of program data (Common to CMT and PTP)</p> <p>0: When receiving a program of the same work number, an alarm shall be given. 1: When receiving a program of the same work number, the superscription shall be made.</p> <p style="text-align: right;">(I/O superscription)</p>	7	6	5	4	3	2	1	0										
	7	6	5		4	3	2	1	0													
	Bit	Binary eight digits	At I/O startup																			
G10	Printer baud rate		M · E	Printer baud rate (Parameter for RS-232C interface initialization) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Setting</th> <th>Baud rate</th> </tr> </thead> <tbody> <tr><td>0</td><td>19200</td></tr> <tr><td>1</td><td>9600</td></tr> <tr><td>2</td><td>4800</td></tr> <tr><td>3</td><td>2400</td></tr> <tr><td>4</td><td>1200</td></tr> <tr><td>5</td><td>600</td></tr> <tr><td>6</td><td>300</td></tr> <tr><td>7</td><td>110</td></tr> </tbody> </table>	Setting	Baud rate	0	19200	1	9600	2	4800	3	2400	4	1200	5	600	6	300	7	110
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<b>Classification</b>	<b>USER</b>	<b>Display title</b>	<b>USER PARAMETER NO. 2</b>
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Address	Name		Program type	Description																
	Unit	Setting range	Conditions																	
<b>G11</b>	Number of printer paper feed lines		M · E	<p>The number of lines through which printer paper is to be fed at the start and end of printing.</p> <p style="text-align: right;">MPL066</p>																
	1 line	0 255	At I/O startup																	
<b>G12</b>	Total number of lines per page of printer paper		M · E	<p>The maximum total number of lines per page that can be printed out on printer paper. This parameter becomes valid when printing a program with a length of more than one page.</p> <p style="text-align: right;">MPL067</p>																
	1 line	0 255	At I/O startup																	
<b>G13</b>				Invalid																
<b>G18</b>																				
<b>G19</b>	Baud rate for paper tape reader/puncher		E	<p>Baud rate for paper tape reader/puncher (Parameter for RS-232C interface initialization)</p> <table border="1"> <thead> <tr> <th>Setting</th> <th>Baud rate</th> </tr> </thead> <tbody> <tr><td>1</td><td>9600</td></tr> <tr><td>2</td><td>4800</td></tr> <tr><td>3</td><td>2400</td></tr> <tr><td>4</td><td>1200</td></tr> <tr><td>5</td><td>600</td></tr> <tr><td>6</td><td>300</td></tr> <tr><td>7</td><td>110</td></tr> </tbody> </table>	Setting	Baud rate	1	9600	2	4800	3	2400	4	1200	5	600	6	300	7	110
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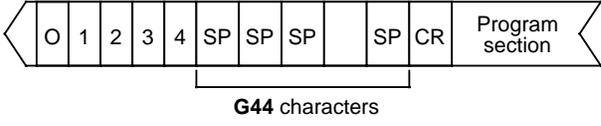
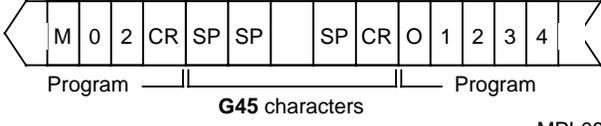
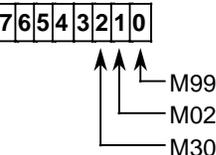
Classification		USER		Display title		USER PARAMETER NO. 2											
Address	Name		Program type		Description												
	Unit	Setting range	Conditions														
G20	Number of stop bits for paper tape reader/puncher		E		Number of stop bits for paper tape reader/puncher (Parameter for RS-232C interface initialization) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Setting</th> <th>No. of stop bits</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> </tr> <tr> <td>2</td> <td>1.5</td> </tr> <tr> <td>3</td> <td>2</td> </tr> </tbody> </table>			Setting	No. of stop bits	1	1	2	1.5	3	2		
	Setting	No. of stop bits															
1	1																
2	1.5																
3	2																
–	1	3	At I/O startup														
G21	Type of parity for paper tape reader/puncher		E		Type of parity for paper tape reader/puncher (Parameter for RS-232C interface initialization) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Setting</th> <th>Type of parity</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Even</td> </tr> <tr> <td>1</td> <td>Odd</td> </tr> </tbody> </table> <p><b>Note:</b> This parameter is valid only when G22 is 1.</p>			Setting	Type of parity	0	Even	1	Odd				
	Setting	Type of parity															
0	Even																
1	Odd																
–	0	1	At I/O startup														
G22	Parity check for paper tape reader/puncher		E		Parity check of paper tape reader/puncher (Parameter for RS-232C interface initialization) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Setting</th> <th>Parity check</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Invalid</td> </tr> <tr> <td>1</td> <td>Valid</td> </tr> </tbody> </table> <p><b>Note:</b> If this parameter is set to 1 (valid), then select whether even or odd parity is to be set using the G21 parameter.</p>			Setting	Parity check	0	Invalid	1	Valid				
	Setting	Parity check															
0	Invalid																
1	Valid																
–	0	1	At I/O startup														
G23	Number of data bits for paper tape reader/puncher		E		Number of data bits for paper tape reader/puncher (Parameter for RS-232C interface initialization) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Setting</th> <th>No. of data bits</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> </tr> <tr> <td>1</td> <td>6</td> </tr> <tr> <td>2</td> <td>7</td> </tr> <tr> <td>3</td> <td>8</td> </tr> </tbody> </table>			Setting	No. of data bits	0	5	1	6	2	7	3	8
	Setting	No. of data bits															
0	5																
1	6																
2	7																
3	8																
–	0	3	At I/O startup														
G24	Fixed value		–														
	–	1	–														
G25	Fixed value		–														
	–	0	–														
G26	Fixed value		–														
	–	0	–														
G27	Output of CR during ISO code punching		E		This parameter is used to specify whether or not CR is to be placed in front of LF (separation of blocks) during ISO code punching. <b>0:</b> No placement of CR <b>1:</b> Placement of CR												
	–	0	1	At I/O startup													

Classification		USER		Display title		USER PARAMETER NO. 2																																
Address	Name		Program type		Description																																	
	Unit	Setting range	Conditions																																			
G28	Fixed value		-																																			
	-	0	-																																			
G29	Paper tape reader/puncher Handshaking method		E		This parameter is used to select the method of handshaking to control the state of data transfer between the NC system and tape reader/puncher.																																	
	-	1 3	At I/O startup		<table border="1"> <thead> <tr> <th>Setting</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Complies with device connection RTS/CTS.</td> </tr> <tr> <td>2</td> <td>No control</td> </tr> <tr> <td>3</td> <td>Complies with control code DC1 through DC4.</td> </tr> </tbody> </table>	Setting	Description	1	Complies with device connection RTS/CTS.	2	No control	3	Complies with control code DC1 through DC4.																									
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1	Complies with device connection RTS/CTS.																																					
2	No control																																					
3	Complies with control code DC1 through DC4.																																					
G30	Paper tape reader/puncher DC code parity		E		This parameter is used to specify whether or not a parity bit is to be assigned to the DC code to be output.																																	
	-	0, 1	At I/O startup		<table border="1"> <thead> <tr> <th>Setting</th> <th>Parity</th> <th colspan="8">DC3 code</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No assignment</td> <td></td><td></td><td></td><td></td><td>●</td><td></td><td>○</td><td></td><td>●</td><td>○</td> </tr> <tr> <td>1</td> <td>Assignment</td> <td>●</td><td></td><td></td><td></td><td>●</td><td></td><td>○</td><td></td><td>●</td><td>○</td> </tr> </tbody> </table> <p><b>Note:</b> This parameter is valid only when G29 is 3.</p>	Setting	Parity	DC3 code								0	No assignment					●		○		●	○	1	Assignment	●				●		○		●
Setting	Parity	DC3 code																																				
0	No assignment					●		○		●	○																											
1	Assignment	●				●		○		●	○																											
G31	"["code for paper tape reader/puncher for EIA		E		This parameter is used to set a hole-punching pattern for the character code "[" onto a paper tape reader/puncher using EIA. Set an eight-digit binary number in decimal form. <b>Example:</b>																																	
	-	0 255	At I/O startup		<p><math>(0 \times 2^7) + (1 \times 2^6) + (0 \times 2^5) + (0 \times 2^4) + (1 \times 2^3) + (1 \times 2^2) + (0 \times 2^1) + (0 \times 2^0)</math> = 76 Set value</p> <p>MPL068</p>																																	
G32	"]"code for paper tape reader/puncher for EIA		E		This parameter is used to set a hole-punching pattern for the character code "]" onto a paper tape reader/puncher using EIA. Set an eight-digit binary number in decimal form. <b>Example:</b>																																	
	-	0 255	At I/O startup		<p><math>(0 \times 2^7) + (0 \times 2^6) + (0 \times 2^5) + (0 \times 2^4) + (1 \times 2^3) + (1 \times 2^2) + (0 \times 2^1) + (1 \times 2^0)</math> = 13 Set value</p> <p>MPL069</p>																																	

Classification		USER		Display title		USER PARAMETER NO. 2	
Address	Name		Program type		Description		
	Unit	Setting range	Conditions				
G33	“#”code for paper tape reader/puncher for EIA		E		<p>This parameter is used to set a hole-punching pattern for the character code “#” onto a paper tape reader/puncher using EIA. Set an eight-digit binary number in decimal form. <b>Example:</b></p>  <p><math>(0 \times 2^7) + (1 \times 2^6) + (1 \times 2^5) + (0 \times 2^4) + (1 \times 2^3) + (1 \times 2^2) + (0 \times 2^1) + (1 \times 2^0)</math> =109 Set value</p> <p>MPL070</p>		
	-	0 255	At I/O startup				
G34	“*”code for paper tape reader/puncher for EIA		E		<p>This parameter is used to set a hole-punching pattern for the character code “*” onto a paper tape reader/puncher using EIA. Set an eight-digit binary number in decimal form. <b>Example:</b></p>  <p><math>(0 \times 2^7) + (1 \times 2^6) + (1 \times 2^5) + (1 \times 2^4) + (1 \times 2^3) + (0 \times 2^2) + (1 \times 2^1) + (0 \times 2^0)</math> =122 Set value</p> <p>MPL071</p>		
	-	0 255	At I/O startup				
G35	“=”code for paper tape reader/puncher for EIA		E		<p>This parameter is used to set a hole-punching pattern for the character code “=” onto a paper tape reader/puncher using EIA. Set an eight-digit binary number in decimal form. <b>Example:</b></p>  <p><math>(0 \times 2^7) + (1 \times 2^6) + (0 \times 2^5) + (1 \times 2^4) + (1 \times 2^3) + (0 \times 2^2) + (1 \times 2^1) + (1 \times 2^0)</math> =91 Set value</p> <p>MPL072</p>		
	-	0 255	At I/O startup				

Classification		USER		Display title		USER PARAMETER NO. 2	
Address	Name		Program type		Description		
	Unit	Setting range	Conditions				
G36	“:”code for paper tape reader/puncher for EIA		E		<p>This parameter is used to set a hole-punching pattern for the character code “:” onto a paper tape reader/puncher using EIA. Set an eight-digit binary number in decimal form. <b>Example:</b></p> <p><math>(0 \times 2^7) + (1 \times 2^6) + (0 \times 2^5) + (0 \times 2^4) + (0 \times 2^3) + (1 \times 2^2) + (1 \times 2^1) + (0 \times 2^0)</math> =70 Set value</p> <p>MPL073</p>		
	-	0 255	At I/O startup				
G37	“(”code for paper tape reader/puncher for EIA		E		<p>This parameter is used to set a hole-punching pattern for the character code “(” onto a paper tape reader/puncher using EIA. Set an eight-digit binary number in decimal form. <b>Example:</b></p> <p><math>(0 \times 2^7) + (0 \times 2^6) + (0 \times 2^5) + (1 \times 2^4) + (1 \times 2^3) + (0 \times 2^2) + (1 \times 2^1) + (0 \times 2^0)</math> =26 Set value</p> <p>MPL074</p>		
	-	0 255	At I/O startup				
G38	“)”code for paper tape reader/puncher for EIA		E		<p>This parameter is used to set a hole-punching pattern for the character code “)” onto a paper tape reader/puncher using EIA. Set an eight-digit binary number in decimal form. <b>Example:</b></p> <p><math>(0 \times 2^7) + (1 \times 2^6) + (0 \times 2^5) + (0 \times 2^4) + (1 \times 2^3) + (0 \times 2^2) + (1 \times 2^1) + (0 \times 2^0)</math> =74 Set value</p> <p>MPL075</p>		
	-	0 255	At I/O startup				

Classification		USER		Display title		USER PARAMETER NO. 2																			
Address	Name		Program type	Description																					
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G39	Rewind code for paper tape reader		E	<p>The paper-tape rewind command code that is output onto a tape reader. This code is output either when M30 is executed in tape run mode or when a paper-tape load or compare operation is performed with parameter G48 set to 1. Set an eight-digit binary number in decimal form.</p> <p><b>Example:</b></p> <table border="1" style="display: inline-table; margin: 10px;"> <tr><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td>0</td><td>Bit</td></tr> <tr><td>○</td><td>○</td><td>○</td><td>●</td><td>●</td><td>●</td><td>●</td><td>○</td><td>Code</td></tr> </table> <p><math>(0 \times 2^7) + (0 \times 2^6) + (0 \times 2^5) + (1 \times 2^4) + (1 \times 2^3) + (1 \times 2^2) + (1 \times 2^1) + (0 \times 2^0) = 30</math></p> <p>Set value <span style="float: right;">MPL076</span></p>				7	6	5	4	3	2	1	0	Bit	○	○	○	●	●	●	●	○	Code
	7	6	5					4	3	2	1	0	Bit												
○	○	○	●	●	●	●	○	Code																	
-	0 255	At I/O startup																							
G40	Feed section DC code output for paper tape puncher		E	<p>Select whether or not DC2 and DC4 codes are to be output to the feed sections which will be generated at the beginning and end of paper tape punching.</p> <table border="1" style="margin: 10px;"> <thead> <tr><th>Setting</th><th>Description</th></tr> </thead> <tbody> <tr><td>0</td><td>Neither DC2 nor DC4 is output.</td></tr> <tr><td>1</td><td>Only DC2 is not output.</td></tr> <tr><td>2</td><td>Only DC4 is not output.</td></tr> <tr><td>3</td><td>Both DC2 and DC4 are output.</td></tr> </tbody> </table> <p><b>Note:</b> This parameter is valid only when G29 is 2. <span style="float: right;">MPL077</span></p>				Setting	Description	0	Neither DC2 nor DC4 is output.	1	Only DC2 is not output.	2	Only DC4 is not output.	3	Both DC2 and DC4 are output.								
	Setting	Description																							
0	Neither DC2 nor DC4 is output.																								
1	Only DC2 is not output.																								
2	Only DC4 is not output.																								
3	Both DC2 and DC4 are output.																								
-	0 3	At I/O startup																							
G41	Number of characters in feed section for paper tape puncher		E	<p>The number of characters in NULL (feed) that are to be punched at the beginning and end of paper tape.</p> <p>Tape setting position <span style="float: right;">End of punching</span> MPL078</p>																					
	1 character	0 65535	At I/O startup																						
G42	Paper tape reader/puncher reply waiting time		E	<p>The waiting time for replies from the paper tape reader or puncher during paper tape reading or punching. An alarm occurs if this time elapses following the final reply.</p>																					
	0.1 sec.	0 65535	At I/O startup																						
G43	Paper tape puncher EIA/ISO output selection and parity-V check		E	<table border="1" style="display: inline-table; margin: 10px;"> <tr><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td>0</td></tr> </table> <p>         0: Paper tape punching in ISO code          1: Paper tape punching in EIA code          0: No parity-V check during paper tape reading          1: Parity-V check during paper tape reading       </p>				7	6	5	4	3	2	1	0										
	7	6	5					4	3	2	1	0													
Bit	Binary eight digits	At I/O startup																							

Classification		USER		Display title		USER PARAMETER NO. 2	
Address	Name		Program type		Description		
	Unit	Setting range	Conditions				
G44	Number of characters in the space between O-number and program for paper tape puncher		E		<p>The total number of space-characters that are punched out between O-number and program section.</p> 		
	1 character	0 65535	At I/O startup				
G45	Number of characters in the space between programs for paper tape puncher		E		<p>The total number of space-characters that are punched out between programs when more than one program are punched onto paper tape.</p> 		
	1 character	0 65535	At I/O startup				
G46	Program-name tape input/output		M · E		<p>Select whether program name tape input/output is to be made valid or invalid during paper tape reading/punching.</p> <p>0: Program name tape input/output is made invalid. 1: Program name tape input/output is made valid.</p>		
	–	0, 1	At I/O startup				
G47	Program end code for paper tape reader O (or:) code		E		<p>This parameter is used to specify whether or not character code O (or:) is to be set as the program end code when paper tape containing more than one program is read.</p> <p>0: Code O (or:) is not set as the program end code. 1: Code O (or:) is set as the program end code.</p>		
	–	0, 1	At I/O startup				
G48	Presence/absence of paper tape reader rewind function		E		<p>The parameter that is used to specify whether or not the paper tape reader has a rewind function. If 1 is set (rewind function present), then the code of parameter G39 will be output onto the reader at the completion of a paper tape load or compare operation.</p> <p>0: Rewind function absent 1: Rewind function present</p>		
	–	0, 1	At I/O startup				
G49	All-loading enable or disable of M2 all punched tape		E		<p>The parameter used to select whether all-loading of the paper tape onto which the M2 program has been all-punched is to be enabled or to be disabled.</p> <p>0: All-loading disabled 1: All-loading enabled</p>		
	–	0, 1	At I/O start				
G50	Program end code (M) for paper tape reader		E		<p>The parameter that is used to specify whether or not M02, M30 and M99 are to be set as the program end codes for paper tape reading.</p> <p>( 0: Set as program end, 1: Not set as program end)</p> 		
	Bit	Binary eight digits	At I/O start				

Classification	USER	Display title	USER PARAMETER NO. 2
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Address	Name		Program type	Description																		
	Unit	Setting range	Conditions																			
G51	Program end code of MAZATROL program DC control function		M	<p>For paper tape reader/puncher, set a character string output to the program end of MAZATROL program by hexadecimal of ASCII code.</p> <p>For example, when a character string of END is output to the program end:</p> <table border="1"> <tr> <td></td> <td>G51</td> <td>G52</td> <td>G53</td> </tr> <tr> <td>Character string</td> <td>E</td> <td>N</td> <td>D</td> </tr> <tr> <td>Set value</td> <td>45</td> <td>4E</td> <td>44</td> </tr> </table> <p>(MAZATROL program DC control)</p>		G51	G52	G53	Character string	E	N	D	Set value	45	4E	44						
	G51	G52	G53																			
Character string	E	N	D																			
Set value	45	4E	44																			
G53	ASCII	Hexadecimal number	At I/O startup																			
G54				Invalid																		
G55	Baud rate for DNC		M · E	<p>Baud rate for DNC. (Parameter for RS-232C interface initialization)</p> <table border="1"> <thead> <tr> <th>Setting</th> <th>Baud rate</th> </tr> </thead> <tbody> <tr><td>0</td><td>19200</td></tr> <tr><td>1</td><td>9600</td></tr> <tr><td>2</td><td>4800</td></tr> <tr><td>3</td><td>2400</td></tr> <tr><td>4</td><td>1200</td></tr> <tr><td>5</td><td>600</td></tr> <tr><td>6</td><td>300</td></tr> <tr><td>7</td><td>110</td></tr> </tbody> </table>	Setting	Baud rate	0	19200	1	9600	2	4800	3	2400	4	1200	5	600	6	300	7	110
Setting	Baud rate																					
0	19200																					
1	9600																					
2	4800																					
3	2400																					
4	1200																					
5	600																					
6	300																					
7	110																					
	-	0 7	At I/O startup																			
G56	Number of stop bits in DNC		M · E	<p>Number of stop bits in DNC. (Parameter for RS-232C interface initialization)</p> <table border="1"> <thead> <tr> <th>Setting</th> <th>No. of stop bits</th> </tr> </thead> <tbody> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>1.5</td></tr> <tr><td>3</td><td>2</td></tr> </tbody> </table>	Setting	No. of stop bits	1	1	2	1.5	3	2										
Setting	No. of stop bits																					
1	1																					
2	1.5																					
3	2																					
	-	1 3	At I/O startup																			
G57	Type of parity for DNC		E	<p>Type of parity for DNC. (Parameter for RS-232C interface initialization)</p> <table border="1"> <thead> <tr> <th>Setting</th> <th>Type of parity</th> </tr> </thead> <tbody> <tr><td>0</td><td>Even</td></tr> <tr><td>1</td><td>Odd</td></tr> </tbody> </table> <p><b>Note:</b> This parameter is valid only when G58 is 1.</p>	Setting	Type of parity	0	Even	1	Odd												
Setting	Type of parity																					
0	Even																					
1	Odd																					
	-	0, 1	At I/O startup																			

Classification	USER	Display title	USER PARAMETER NO. 2
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Address	Name		Program type	Description										
	Unit	Setting range	Conditions											
G58	Parity check of DNC		M · E	Parity check of DNC. (Parameter for RS-232C interface initialization) <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Setting</th> <th>Parity check</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Invalid</td> </tr> <tr> <td>1</td> <td>Valid</td> </tr> </tbody> </table> <b>Note:</b> If this parameter is set to 1 (valid), then select even or odd parity using the <b>G57</b> parameter.	Setting	Parity check	0	Invalid	1	Valid				
	Setting	Parity check												
0	Invalid													
1	Valid													
–	0, 1	At I/O startup												
G59	Number of data bits in DNC		M · E	Number of data bits in DNC. (Parameter for RS-232C interface initialization) <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Setting</th> <th>No. of data bits</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> </tr> <tr> <td>1</td> <td>6</td> </tr> <tr> <td>2</td> <td>7</td> </tr> <tr> <td>3</td> <td>8</td> </tr> </tbody> </table>	Setting	No. of data bits	0	5	1	6	2	7	3	8
	Setting	No. of data bits												
0	5													
1	6													
2	7													
3	8													
–	0 3	At I/O startup												
G60				Invalid										
G90														
G91	Number of NC transmission retries during DNC file transfer		M · E	This parameter is used to set the number of times that the * code or TEXT is to be repeatedly transmitted to a host system in case that the @ code is not sent from the host system within the waiting time which has been set using the <b>G99</b> parameter.  <p style="margin-left: 20px;">             --HOST -- NC --              *              @              TEXT              @              EOT           </p> <p style="margin-left: 20px;">Retransmitted if @ is not received.</p>										
	Once	0 255	At I/O startup											

MPL081

Classification	USER	Display title	USER PARAMETER NO. 2
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Address	Name		Program type	Description
	Unit	Setting range	Conditions	
G92	Number of NC reception retries during DNC file transfer		M · E	<p>This parameter is used to set the number of times that the @ code is to be repeatedly transmitted to a host system in the case that the EOT code or TEXT from the host system is not received within the waiting time which has been set using the G100 parameter.</p> <p>Initialized if EOT or TEXT is not received.</p> <p>An alarm occurs if the transmission operation is repeated up to the number of times set with this parameter. MPL082</p>
	Once	0 255	At I/O startup	
G93	Number of NC transmission/reception retries during DNC command message transfer		M · E	<p>This parameter is used to set the number of times that transmission/reception of command messages is to be repeated in the case that it is not correctly performed. This parameter has almost the same meaning as that of parameters G91 and G92, except that command messages are interchanged in the case of G93 and files are interchanged in the case of G91 and G92.</p>
	Once	0 255	At I/O startup	
G94				Invalid
G97				
G98	-		M · E	<p><b>7 6 5 4 3 2 1 0</b> (1: Valid, 0: Invalid)</p> <p>After program reception, a search is made for the work number of that program.</p> <p>Details of an alarm occurring in DNC are displayed.</p> <p>Loading of programs having the same work number as that of the registered program in NC becomes impossible.</p> <p>The function of the PROGRAM LOCK/ENABLE switch is released.</p> <p>All programs having work numbers smaller than No. 9000 are erased at the start of program reception.</p>
	Bit	Binary eight digits	At I/O startup	

Classification		USER		Display title		USER PARAMETER NO. 2	
Address	Name		Program type	Description			
	Unit	Setting range	Conditions				
G99	@ waiting time during DNC transmission		M · E	<p>The NC waiting time from transmission of * or TEXT to reception of @ from the host system.</p> <p><b>Note:</b> See the description of parameter G91. <span style="float: right;">MPL083</span></p>			
	0.1 sec.	0 255	At I/O startup				
G100	* TEXT waiting time during DNC transmission		M · E	<p>The NC waiting time from transmission of @ or reception of EOT to reception of * or TEXT from the host system.</p> <p><b>Note:</b> See the description of parameter G92. <span style="float: right;">MPL084</span></p>			
	0.1 sec.	0 255	At I/O startup				
G101	EOT waiting time during DNC transmission		M · E	<p>The NC waiting time from transmission of @ to reception of EOT from the host system.</p> <p><b>Note:</b> See the description of parameter G92. <span style="float: right;">MPL085</span></p>			
	0.1 sec.	0 255	At I/O startup				

Classification	USER	Display title	USER PARAMETER NO. 2
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Address	Name		Program type	Description
	Unit	Setting range	Conditions	
G102	NC stop time after reception of !		M · E	<p>The NC stop time from reception of ! from the host system to transmission of *.</p> <p>MPL086</p> <p>Code * is transmitted to the host system if the time that has been set with <b>G102</b> elapses following reception of !.</p>
	0.1 sec.	1 255	At I/O startup	
G103	NC reset time after digital-out		M · E	<p>The time from the moment the NC receives the digital-out command to the moment the NC internally resets this command.</p>
	0.1 sec.	0 255	At I/O startup	
G104	NC stop time from reception		M · E	<p>For NC transmission The NC stop time from reception of @ from the host system to transmission of EOT or TEXT.</p> <p>For NC reception The NC stop time from reception of * or TEXT from the host system to transmission of @.</p> <p>MPL087</p>
	0.01 sec.	0 255	At I/O startup	
G105	DNC command reply message waiting time		M · E	<p>The NC waiting time from transmission of command message EOT to reception of command reply message * from the host system.</p> <p>MPL088</p>
	0.1 sec.	1 255	At I/O startup	

<b>Classification</b>	<b>USER</b>	<b>Display title</b>	<b>USER PARAMETER NO. 2</b>
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Address	Name		Program type	Description
	Unit	Setting range	Conditions	
<b>G106</b>	DNC machine number		M · E	The numbers to be assigned to various machines in order to manage on the host system the tool data, parameters etc. that are specific to the machines being used.
	—	0 255	At I/O startup	
<b>G107</b>	NC transmission stop time of DNC (From reception to transmission)		M · E	<p>The NC stop time from reception of EOT from the host system to transmission of * of the next message.</p> <p>Timing diagram for G107: Two vertical dashed lines represent the start and end of the stop time. The first line is labeled 'EOT' and the second is labeled '*'. A double-headed arrow between these lines is labeled 'G107'. The diagram shows a sequence of messages: * (to NC), @ (to HOST), TEXT (to NC), @ (to HOST), EOT (to NC), * (to NC), and @ (to HOST).</p>
	0.01 sec.	0 255	At I/O startup	
<b>G108</b>	NC transmission stop time of DNC (From transmission to transmission)		M · E	<p>The NC stop time from transmission of EOT to the host system to transmission of * of the next message.</p> <p>Timing diagram for G108: Two vertical dashed lines represent the start and end of the stop time. The first line is labeled 'EOT' and the second is labeled '*'. A double-headed arrow between these lines is labeled 'G108'. The diagram shows a sequence of messages: @ (to HOST), * (to NC), TEXT (to NC), @ (to HOST), EOT (to HOST), * (to NC), and @ (to HOST).</p>
	0.01 sec.	0 255	At I/O startup	

MPL089

MPL090