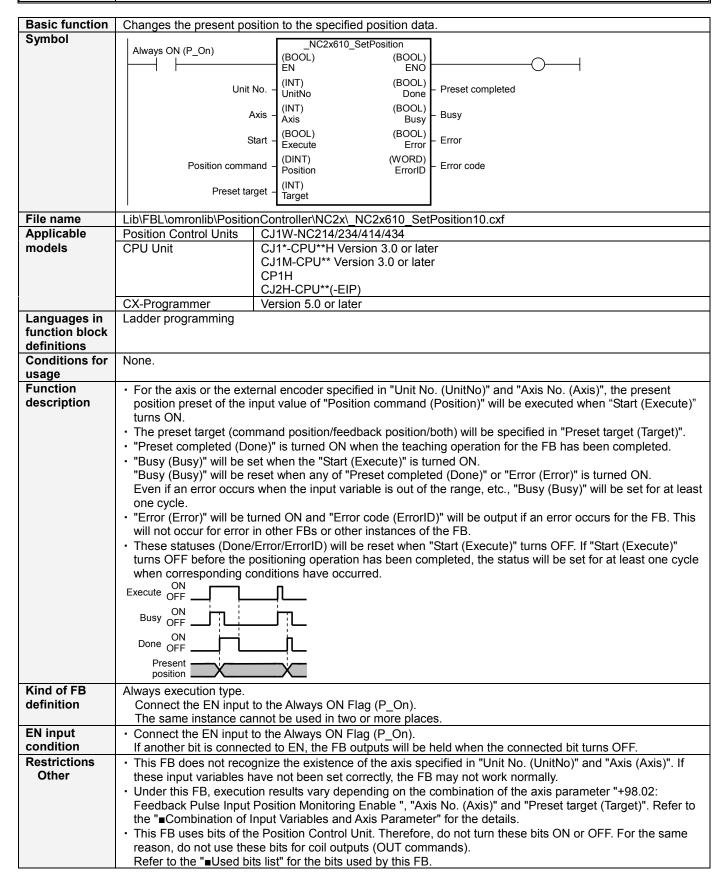
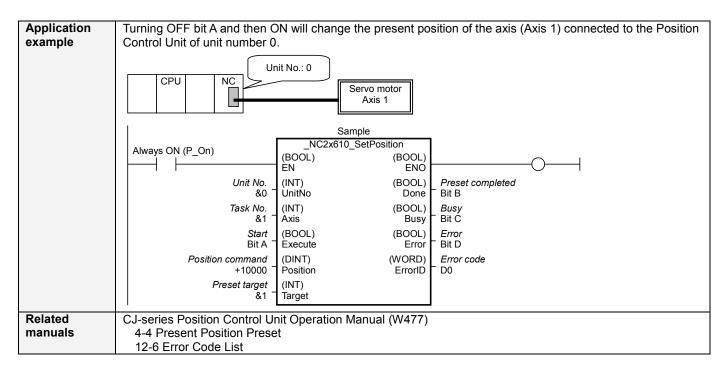
Present Position Preset _NC2x610_SetPosition





■Variable Tables Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			1(ON): FB started
					0(OFF): FB not started
Unit No.	UnitNo	INT	&0	&0 to &94	Specify the unit number.
Axis No.	Axis	INT	&1	&1 to &4,	Specify the axis or external encoder.
				&241(#F1)	&1 to&4: Specify the axis number.
					&241(#F1): Specify an external encoder
Start	Execute	BOOL	0(OFF)		
Position	Position	DINT	+0	-2147483648 to	Specify the target position. Unit: Command units.
command				+2147483647	
Preset target	Target	INT	&0	&0 to &2	Select the command position or feedback position
					for the preset target.
					&0: Command position
					&1: Feedback position
					&2: Command position/Feedback position (both)

Output Variables

Output variables					
Name	Variable name	Data type	Range	Description	
ENO	ENO	BOOL		1(ON): FB operating normally	
				0(OFF): FB not started / FB ended with error	
Positioning	Done	BOOL		Turns ON when the present position preset operation has been	
completed				completed.	
Busy	Busy	BOOL		Turns ON when FB is in the process.	
Error	Error	BOOL		Turns ON when an error has occurred in the FB. Refer to "Error code	
				(ErrorID)" for details.	
Error code	ErrorID	WORD		Returns the error code when an error occurred in the FB. Refer to	
				"■Error code list" for details.	

■Combination of Input Variables and Axis Parameter

(Execution Results			
Axis parameter	Input Variables		Execution Results		
Feedback Pulse Input Position Monitoring Enable	Axis No. (Axis)	Preset target (Target)	Command position	Feedback position	Operation Results of FB
	&1 to &4	&0	Preset	No change	Done
		&1	No change	Preset	Done
0: Not reflect		&2	Preset	Preset	Done
	&241(#F1)	&0	No change	No change	Input variable out of range
		&1, &2	No change	Preset	Done
1: Reflect	&1 to &4	&0	Preset	Preset	Done
		&1, &2	No change	No change	Parameter setting error
	&241(#F1)	&0	No change	No change	Input variable out of range
		&1, &2	No change	Preset	Done

■Error code list

■Error code list			
Error name	Error code	Probable cause	Clearing method
Input variable out of range	#0001	The value of input variable of this FB is out of valid range.	Set the value of input variable within the specified range.
Operating memory area allocation out of range	#0002	The allocation of Axis Operating Memory Area of Common Parameter is out of allowable setting range.	Correct the allocation of Axis Operating Memory Area of Common Parameter so that it falls within the allowable setting range of data.
Unit error	#1001	An error in individual unit has occurred.	Check "Unit common error code". Identify the error cause from the Operation Manual of the Position Control Unit.
Axis error	#1002	An error in individual axis has occurred.	Check "Axis error code". Identify the error cause from the Operation Manual of the Position Control Unit.
Parameter setting error	#1100	Parameter transfer via the data transfer command has not been completed normally.	Check that the Position Control Unit status and parameter set values are within the range of the specifications.
Unit setup	#2000	The Position Control Unit is not in unit ready status.	Execute the FB after putting the Position Control Unit in unit ready status.
Command disabled	#2300	FB commands have not been accepted.	Execute the FB after putting the unit in status that can accept commands.
Present position preset	#3207	"Present position preset" of the Direct Operation Command Memory area has been operated by the outside of the FB.	Do not operate each bit which the active FB is operating, by the external unit of the FB. Do not use it on OUT command.

■Used bits list

Memory area	Name	Data type	Address	Note
Direct Operation Command	Present position preset	BOOL	B+00.07	
Memory area	Command position	DINT	B+02	

■Version History

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Version	Date	Contents	
1.00	2009.06.	Original production.	

■Note

This document explains the function of the function block. It does not provide information of restrictions on the use of Units and Components or combination of them. For actual applications, make sure to read the operation manuals of the applicable products.