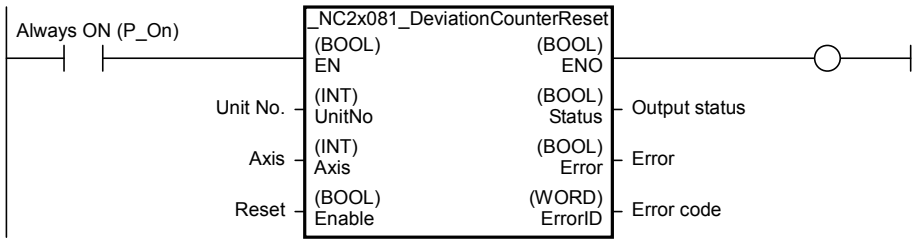
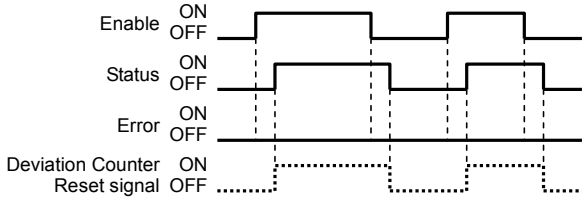
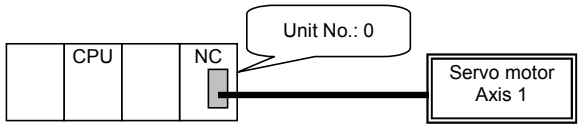
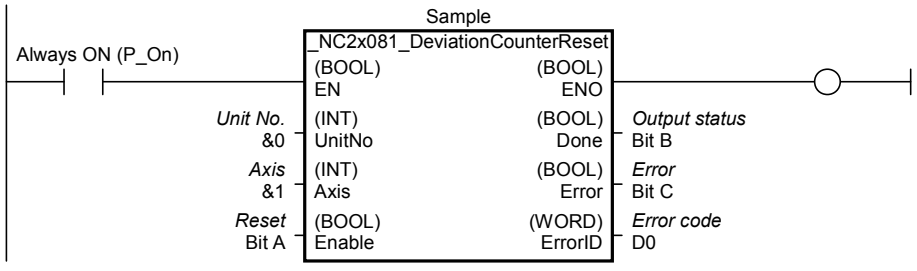
NC2x 081	Deviation Counter Reset _NC2x081_DeviationCounterReset

Basic function	Outputs the Deviation Counter Reset signal.
Symbol	
File name	Lib\FBL\omronlib\PositionController\NC2x_NC2x081_DeviationCounterReset10.cxf
Applicable models	Position Control Units: CJ1W-NC214/234/414/434 CPU Unit: CJ1*-CPU**H Version 3.0 or later CJ1M-CPU** Version 3.0 or later CP1H CJ2H-CPU**(-EIP) CX-Programmer: Version 5.0 or later
Languages in function block definitions	Ladder programming
Conditions for usage	・When using this FB, the following setting is required for the axis parameter of the Position Control Unit.

Address	Name	Size	Range	Setting value
+2.02	I/O Function Selection Error Counter Reset Output Functioin	1 bit	0, 1	1: Use as error counter reset output

・If the setting is not made correctly, the FB will not work normally.

Function description	・For the axis specified in "Unit No. (UnitNo)" and "Axis No. (Axis)", the Deviation Counter Reset output signal will turn ON when "Reset (Enable)" is turned ON, and the signal will turn OFF when it's turned OFF. ・"Output status (Status)" will reflect the Deviation Counter Reset signal status of the applicable axis. ・"Error (Error)" will be turned ON "Error code (ErrorID)" will be output if an error occurs for the FB. This will not occur for error in other FBs or other instances of the FB. ・These statuses (Error/ErrorID) will be reset when "Reset (Enable)" turns OFF. 
Kind of FB definition	Always execution type. Connect the EN input to the Always ON Flag (P_On). The same instance cannot be used in two or more places.
EN input condition	・Connect the EN input to the Always ON Flag (P_On). If another bit is connected to EN, the FB outputs will be held when the connected bit turns OFF.
Restrictions Other	・This FB does not recognize the existence of the axis specified in "Unit No. (UnitNo)" and "Axis (Axis)". If these input variables have not been set correctly, the FB may not work normally. ・This FB uses bits of the Position Control Unit. Therefore, do not turn these bits ON or OFF. For the same reason, do not use these bits for coil outputs (OUT commands). Refer to the "■Used bits list" for the bits used by this FB.
Application example	Turning ON bit A will output the Deviation Counter Reset signal for the Servomotor (Axis 1) connected to the Position Control Unit of unit number 0.  

Related manuals	CJ-series Position Control Unit Operation Manual (W477) 5-3 Axis Parameters I/O Function Setting

■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	Axis	INT	&1	&1 to &4	Specify the axis number.
Reset	Enable	BOOL	0(OFF)		↑: Turn ON the deviation counter reset. ↓: Turn OFF the deviation counter reset.

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
Output status	Status	BOOL		1(ON): The Deviation Counter Reset signal is output status. 0(OFF): The Deviation Counter Reset signal is stopping status.
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.

■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.

■Used bits list

Memory area	Name	Data type	Address	Note
Manual Operation Command Memory Area	Error counter reset output	BOOL	A+00.02	

■Version History

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.