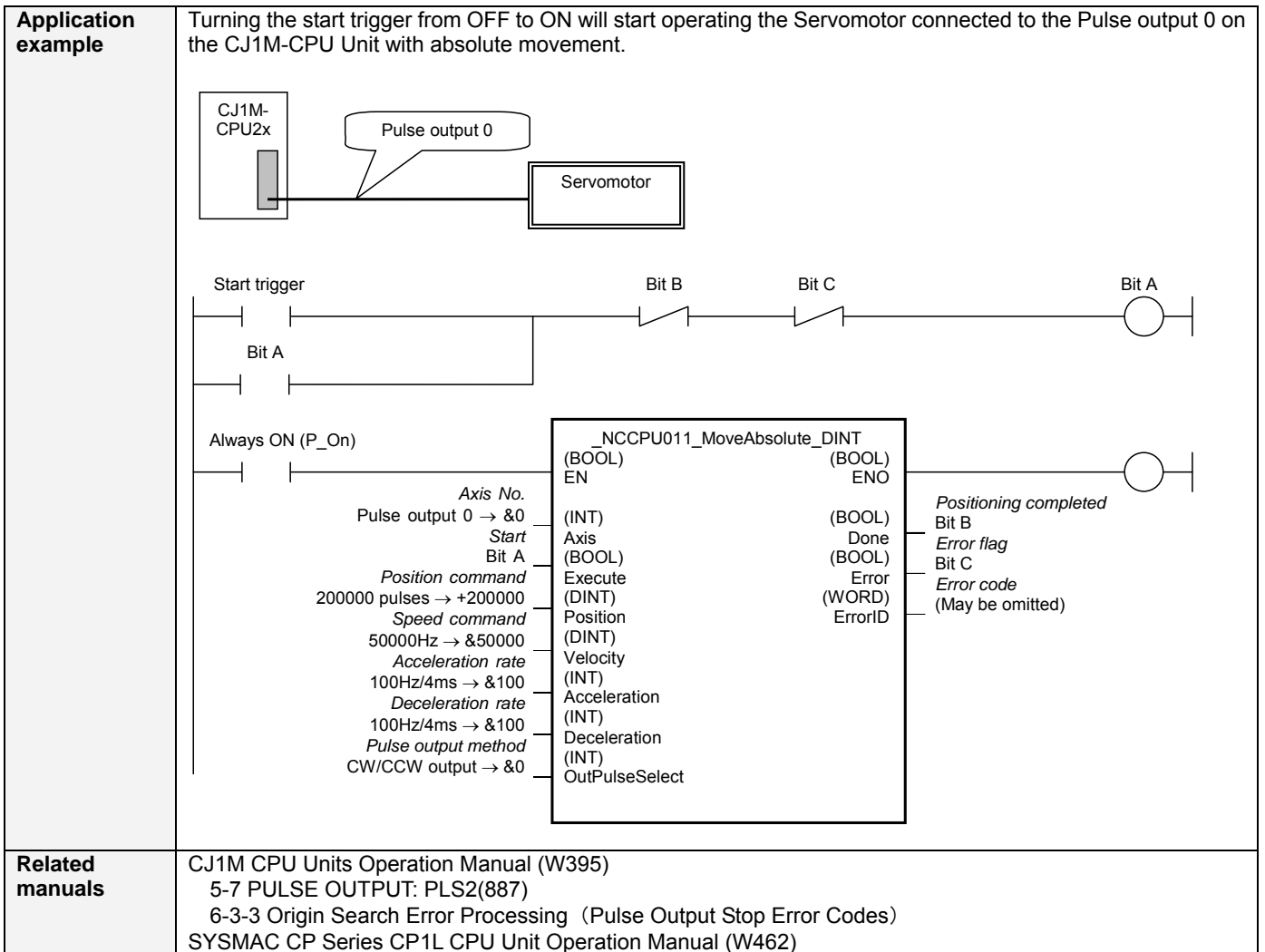


<b>NCCPU 011</b>	<b>Move Absolute(DINT): _NCCPU011_MoveAbsolute_DINT</b>
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<b>Basic function</b>	Executes positioning using absolute movement.	
<b>Symbol</b>		
<b>File name</b>	Lib\FBL\omronlib\ PositionController \NC-CPU(CJ1MCP2x)\_NCCPU011_MoveAbsolute_DINT10.cxf	
<b>Applicable</b>	CPU Unit	CJ1M-CPU21/22/23 Unit version 3.0 or higher CP1L-***DT- CP1L-***DT1-*
<b>models</b>	CX-Programmer	Version 5.0 or higher
<b>Conditions for usage</b>	None	
<b>Function description</b>	<p>Executes positioning on the axis of the specified Axis No. (Axis) with the specified Position command (Position), Speed command (Velocity), Acceleration rate (Acceleration), and Deceleration rate (Deceleration) when Start (Execute) is turned ON (using the selected Pulse output method). The Positioning completed (Done) is turned ON when positioning by this FB is completed (i.e., target position reached). The Error flag (Error) will be turned ON and Error code (ErrorID) will be output when an error related to this FB occurs. These statuses, Positioning completed (Done)/ Error flag (Error)/ Error code (ErrorID), will be reset when Start (Execute) is turned OFF. If Start (Execute) was turned OFF before positioning is completed, the status will be set for at least one cycle when a corresponding condition occurs.</p>	
<b>Kind of FB definition</b>	Connect Always ON type Connect the EN input to the Always ON Flag (P_ON). The same instance cannot be used in two or more places.	
<b>FB precautions</b>	<ul style="list-style-type: none"> <li>When using the Pulse output 0 and 1 simultaneously, use the same Pulse output method for them.</li> </ul>	
<b>EN input condition</b>	<ul style="list-style-type: none"> <li>Connect the EN input to the Always ON Flag (P_ON).</li> <li>If a different type of bit is connected to EN, the FB outputs will be maintained when the connected bit is turned OFF.</li> </ul>	



■ Variable Table

Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			1 (ON): Starts FB 0 (OFF): Does not start FB
Axis No.	Axis	INT	&0	&0 to &1	&0: Pulse output 0 &1: Pulse output 1
Start	Execute	BOOL	0(OFF)		↑ : Starts absolute movement
Position command	Position	DINT	+0	-2,147,483,648 to +2,147,483,647	Specifies the target position. Unit: Pulses
Speed command	Velocity	DINT	&1	&1 to &100000	Specifies the target speed. Unit: Hz
Acceleration rate	Acceleration	INT	&1	&1 to &65535	Specifies the acceleration rate. Unit: Hz/4ms (Increase (Hz) in frequency per Pulse control period (4ms))
Deceleration rate	Deceleration	INT	&1	&1 to &65535	Specifies the deceleration rate. Unit: Hz/4ms (Decrease (Hz) in frequency per Pulse control period (4ms))
Pulse output method	OutPulseSelect	INT	&0	&0 to &1	&0: CW/CCW output &1: Pulse + direction output

Output Variables

Name	Variable name	Data type	Range	Description
ENO	ENO	BOOL		1(ON) :FB operating normally 0(OFF): FB not operating normally
Positioning completed	Done	BOOL		1 (ON) indicates that positioning has been completed.
Error flag	Error	BOOL		1 (ON) indicates that an error has occurred in the FB.
Error code (May be omitted)	ErrorID	WORD		The error code of the error occurred in the FB will be output. For details of the errors, refer to the sections of the manual listed in the Related manuals above. When Unit No. or Axis. No. is out of the range, #0000 will be output.

Revision History

Version	Date	Contents
1.00	2005.2.	Original production

**Note**

This manual is a reference that explains the function block functions.

It does not explain the operational limitations of Units, components, or combinations of Units and components. Always read and understand the Operation Manuals for the system's Units and other components before using them.