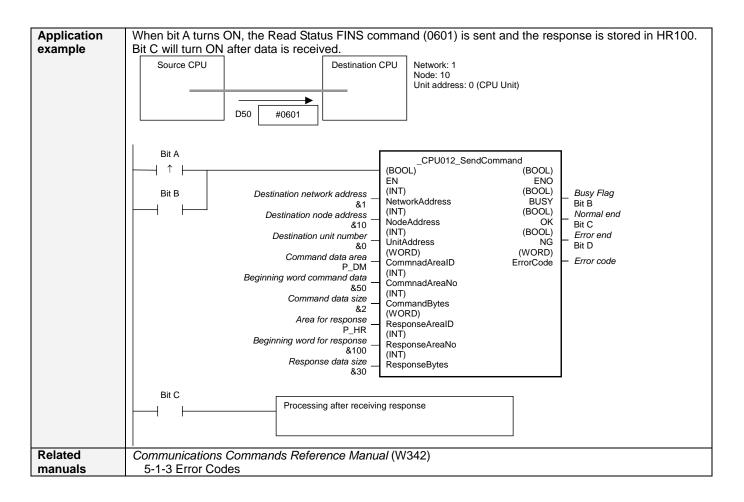
CPU -012	Send Command: _CPU012_SendCommand				
Basic function	Sends command data to a node on a network.				
Symbol	Start trigger				
File name	Lib/EL B/omraplib/DL C/CDLI/ CDLI012 SandCommand10 ovf				
Applicable	Lib\FLB\omronlib\PLC\CPU_CPU012_SendCommand10.cxf CPU Unit CS1*-CPU**H Unit version 3.0 or higher				
models	CJ1*-CPU**H Unit version 3.0 or higher CJ1M-CPU** Unit version 3.0 or higher CP1H CP1L (except 10 points CPU) CX-Programmer Version 5.0 or higher				
Conditions	Settings				
for usage	 Settings PLC Setup: Shared Settings for Communications Instructions in FBs Communications Instruction Response Timeout Time (default: 2 s) Number of retries (default: 3) Shared Resources Communications ports (internal logical ports) 				
Function	Sends a command of the number of words of specified in <i>Command data size</i> to the Unit specified by the				
description	Send network address, Send node address, and Send unit address. The data word designations are specified using the area type and beginning word address. For example, for D1000, the area type is set to P_DM and the beginning word address is set to &1000.				
FB precautions	 The FB is processed over multiple cycles. The BUSY output variable can be used to check whether the FB is being processed. OK or NG will be turned ON for one cycle only after processing is completed. Use these flags to detect the end of FB processing. Timechart				
	Error end (NG) OFFFB execution completed. At normal end: Sending command data is completed and the response is received.				
EN input	Connect EN to an OR between an upwardly differentiated condition for the start trigger and the BUSY output				
condition Restrictions Input variables	 from the FB. Always use an upwardly differentiated condition for EN. If the input variables are out of range, the ENO Flag will turn OFF and the FB will not be processed. 				
Output variables	 This FB requires multiple cycles to process. Always connect an OR including the BUSY output variable to the EN input variable to ensure that the FB is processed to completion (see <i>Symbol</i>). Do not turn the BUSY output variable ON or OFF outside the FB. 				



Variable Tables Input Variables

	Input Variables							
Name	Variable name	Data type	Default	Range	Description			
EN	EN	BOOL			1 (ON): FB started.			
					0 (OFF): FB not started.			
Destination	NetworkAddress	INT	&0	&0 to &127				
network address								
Destination node	NodeAddress	INT	&0		&0: Local network			
address								
Destination unit	UnitAddress	INT	&0	#0000 to	CPU: #0000			
number				#00FE	CPU Bus Units: Unit number + #10(Hex)			
					Ex) Unit numbet 15 -> #1F			
					Special I/O Units: Unit number + #20(Hex)			
					Ex) Unit numbet 15 -> #2F			
					INNER Board: #00E1			
					Computer: #0001			
Command data	CommandAreaID	WORD	#0082	At right	P_CIO (#00B0): CIO Area			
area				g	P_WR (#00B1): Work Area			
					P_HR (#00B2): Holding Area			
					P_DM (#0082): DM Area			
					P_EM0 (#0050) to P_EMC (#005C):			
					EM Area bank 0 to C			
Beginning word	CommandAreaNo	INT	&0					
command data								
Command data	CommandBytes	INT	&0		Depends on the command.			
size	000000000000000000000000000000000000000		0.0					
Area for response	ResponseAreaID	WORD	#0082	At right	P_CIO (#00B0): CIO Area			
					P_WR (#00B1): Work Area			
					P_HR (#00B2): Holding Area			
					P_DM (#0082): DM Area			
					P_EM0 (#0050) to P_EMC (#005C):			
					EM Area bank 0 to C			
Beginning word for	ResponseAreaNo	INT	&0					
response	Responserieano							
Response data	ResponseBytes	INT	&0		Depends on the command.			
size								

Output Variables

Name	Variable name	Data type	Range	Description
ENO	ENO	BOOL		1 (ON): FB processed normally.
(May be omitted.)				0 (OFF): FB not processed or ended in an error.
Busy Flag	BUSY	BOOL		Automatically turns OFF when processing is
				completed.
Normal end	OK	BOOL		Turns ON for one cycle when processing ends
				normally.
Error end	NG	BOOL		Turns ON for one cycle when processing ends in an
				error.
Error code	ErrorCode	WORD		Outputs the error code when execution ends in an
(May be omitted.)				error in the communications command level. Refer to
				the FINS Command Reference Manual (W227) for
				details on the error codes.

Version History

Version	Date	Contents
1.00	2004.6.	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.