

CLK -002	Stop Data Links: _CLK002_LINK_StopDatalink
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Basic function	Stops the data links.						
Symbol							
File name	Lib\FBL\omronlib\PLC\CLK\ CLK002_LINK_StopDatalink10.cxf						
Applicable models	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Controller Unit</td> <td>CS1W-CLK21-V1, CS1W-CLK12-V1, CS1W-CLK52-V1 CJ1W-CLK21-V1</td> </tr> <tr> <td>CPU Unit</td> <td>CS1*-CPU**H Unit version 3.0 or higher CJ1*-CPU**H Unit version 3.0 or higher CJ1M-CPU** Unit version 3.0 or higher CP1H</td> </tr> <tr> <td>CX-Programmer</td> <td>Version 5.0 or higher</td> </tr> </table>	Controller Unit	CS1W-CLK21-V1, CS1W-CLK12-V1, CS1W-CLK52-V1 CJ1W-CLK21-V1	CPU Unit	CS1*-CPU**H Unit version 3.0 or higher CJ1*-CPU**H Unit version 3.0 or higher CJ1M-CPU** Unit version 3.0 or higher CP1H	CX-Programmer	Version 5.0 or higher
Controller Unit	CS1W-CLK21-V1, CS1W-CLK12-V1, CS1W-CLK52-V1 CJ1W-CLK21-V1						
CPU Unit	CS1*-CPU**H Unit version 3.0 or higher CJ1*-CPU**H Unit version 3.0 or higher CJ1M-CPU** Unit version 3.0 or higher CP1H						
CX-Programmer	Version 5.0 or higher						
Conditions for usage	Other <ul style="list-style-type: none"> • Communications must be within one network and cannot cross to another network. 						
Function description	When the Start Trigger turns ON, the data links are stopped for the Controller Link Unit specified by the <i>UnitNo.</i> If the data links are started normally, the OK Flag will turn ON for one cycle. If they cannot be started for any reason, the NG Flag will turn ON for one cycle.						
EN input condition	Connect EN to an OR between an upwardly differentiated condition for the start trigger and the BUSY output from the FB.						
Restrictions Input variables	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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. <p>Timechart</p> <p style="text-align: center;">↑ FB execution completed. At normal end: Data links will be stopped.</p>						
Application example	When bit A turns ON, the data links are stopped for the Unit with unit number 10. Bit C will turn ON when stopping the data links has been completed.						

■ 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 &15	
Local node address	NodeNo	INT	&1	&1 to &62	

Output Variables

Name	Variable name	Data type	Range	Description
ENO (May be omitted.)	ENO	BOOL		1 (ON): FB processed normally. 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.

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.