

CLK-003	Monitor Controller Link Node Errors 32: _CLK003_CheckNode32
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Basic function	Monitors node communications status and data link status using the network status.	
Symbol		
File name	Lib\FBL\omronlib\PLC\CLK\ CLK003_CheckNode3210.cxf	
Applicable models	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	Controller Link Unit Settings and Status <ul style="list-style-type: none"> • The local node must be participating in the network. If it is not participating in the network, the status of the node to be monitored cannot be checked and the node status will indicate a node error. • The data link status format for the startup node must be set to 8 bits and the default data link status storage area must be used. If these conditions are not met, the node status will not be stable. Other <ul style="list-style-type: none"> • Communications must be within one network and cannot cross to another network. 	
Function description	The node communications status and data link status of the specified <i>Monitor Node Address</i> is monitored using the network status for the Controller Link Unit specified by <i>UnitNo.</i>	
EN input condition	Any bit can be specified.	
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. 	

■ 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 &32	
Monitor node address	CheckNodeNo	INT	&1	&1 to &32	

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.
Node status	NodeStatus	BOOL		Shows the status of the specified node. 1 (ON): Node normal 0 (OFF): Node 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.