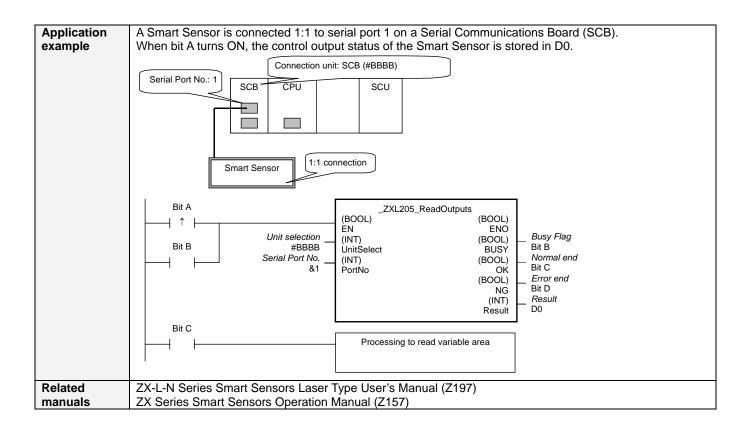
Read Control Output: _ZXL205_ReadOutputs

Basic function	Reads the high, pass, an	nd low contr	ol outputs.			
Symbol	Busy Flag	nit selection — ial Port No. —	_ZXL205_ReadOu (BOOL) EN (INT) UnitSelect (INT) PortNo	(BOOL) (BOOL) BUSY (BOOL) OK (BOOL) NG (INT) Result		
File name	Lib\FBL\omronlib\LaserS	ensor\ZXL\	_ZXL205_ReadOutpu	ts10.cxf		
Applicable	Laser Sensor	ZX-LDA-N				
models						
	Serial	CJ1*-CPU* CJ1M-CPL CP1H CP1L (exce CS1W-SCI	ept 10 points CPU) U21-V1, CJ1W-SCU2 ²	or higher or higher 1-V1, CJ1W-S	SCU41-V1 Unit Version 1.2 or higher	
	Communications Units/Boards	CS 1 VV-SCI	B21-V1 and CS1W-SC	D41-V1 Unit	version 1.2 or nigher	
		Version 5.0	or higher			
Conditions	External Connections					
for usage	Can be used only for 1:1 connections. (FB "_ZXLN***" can be used for 1:N connections) Communications must be within one network and cannot cross to another network. Communications Settings				another network.	
	The communications s The communications using the Set Communications using the Set CPU Unit Settings PLC Setup: Shared Seton Communications Ins Number of retries (de Shared Resources	settings of the settings of the settings of the set Serial Gasettings for Contraction Referault: 0)	f the specified serial property (_ZXL600_SetConteway Mode (_SCx60) communications Instructions Time	ort can be set omm) function 4_SetPortGA ctions in FBs		
Function	Communications por When the Start Trigger to			control output	es are read for the Smart Sensor	
description	When the Start Trigger turns ON, the high, pass, and low control outputs are read for the Smart Sensor connected to the Serial Port specified by the <i>Connection unit</i> and <i>Serial port No</i> . The status of the high, pass, and low control outputs can be checked using the <i>Result</i> .					
FB precautions	This FB is processed FB is being processed		iple cycles. The BUSY	output variab	ole can be used to check whether the	
	OK or NG will be turned ON only for one cycle after processing is completed. Use these flags to detect the end of the FB processing. Time Chart					
	Start Trigger	ON OFF				
		ON OFF				
		ON OFF				
	Result	ted the out	tout parameters are cle	ared		
	When this FB is star See the output parar					
EN input condition	See the output parameters when the OK flag turns ON. Connect EN to an OR between an upwardly differentiated condition for the start trigger and the BUSY output from the FB.					
Restrictions Input variables	 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. 					
Other					from EN turning ON until the OK or	



■ 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 selection	UnitSelect	INT	&0	At right.	Specify the Unit and the serial port.
Serial Port No.	PortNo	INT	&1	&1 to &2	Only serial port 2 of CP1H/CP1L CPU unit
					is possible to use this FB.
					■ Connected to CPU Unit Unit selection #FFFF Serial port No. Not accessed. (CP1H/CP1L-M: Serial Port2 CP1L-114/20: Serial Port1) ■ Connected to Serial Communication Board(SCB) Unit selection #BBBB Serial port No. &1: Serial Port 1 &2: Serial Port 2 ■ Connected to Serial Communication Unit(SCU) Unit selection SCU Unit No. (&0 to &15) Serial port No. &1: Serial Port 1 &2: Serial Port 2

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.
Result	Result	INT		&0: All OFF
				&1: Low output ON
				&2: High output ON
				&3: Pass output ON

Internal Variables

Internal variables are not output from the FB.

If the NG Flag from the FB turns ON, the following internal variables can be monitored to obtain information on the error.

Name	Variable name	Data type	Range	Description
Error code	ErrorCode	WORD		The results information from the Smart Sensor is output to the Error Code. See below.

Error Code Details

Code	Contents	Meaning			
#0000	Normal end				
#2203	Operation error	The value displayed on the main digital display is read when an error has occurred, e.g., an incident level error.			
#2204	Operation error	The Sensor is not in RUN mode.			

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.