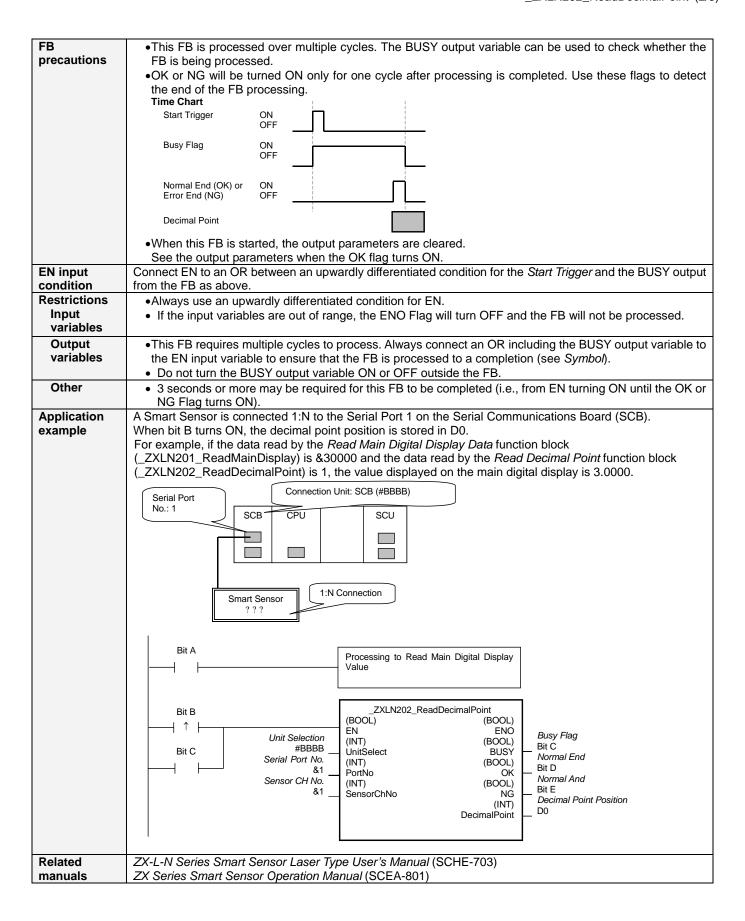
Read Decimal Point: _ZXLN202_ReadDecimalPoint

Basic	Reads the decimal point po	sition set for the main digital display of a Smart Sensor.				
function						
Symbol						
File name	Lib\FBL\omronlib\LaserSen	sor\ZXLN_ZXLN202_ReadDecimalPoint10.cxf				
Applicable models	Smart Sensor ZX	(-LDA-N				
	CJ CJ CF CF	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 CP1L (except 10 points CPU)				
		S1W-SCU21-V1, CJ1W-SCU21-V1, CJ1W-SCU41-V1 Unit Version 1.2 or higher S1W-SCB21-V1 and CS1W-SCB41-V1 Unit Version 1.2 or higher				
		rsion 5.0 or higher				
Conditions	■External Connections	· ·				
for usage	ŭ					
Function description	-Read/Write Self-trigger Hysteresis Width (When the intensity mode is OFF.) When the Start Trigger turns ON, the decimal point position of the main digital display is read for the Smart Sensor connected to the Serial Port specified by the Connection unit, Serial port No and Sensor CH No. This FB reads only the decimal point position of the main digital display.					



■ 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	As right	Specify the Unit and the serial port.
Serial Port No.	PortNo	INT	&1	&1 to &2	Only serial port 2 of CP1H/CP1L M-type
					CPU unit is possible to use this FB.
					■ Connected to CPU Unit Unit selection #FFFF
					Serial port No. Not access ed. (CP1H/CP1L-M: Serial Port2 CP1L-L14/20: 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
Sensor CH No.	SensorChNo	INT	&1	&1 to &5	Specify the CH No. of the connecting
					sensor.
					Ex: &2 in the case of CH2.

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.
Decimal point position	DecimalPoint	INT		Outputs the decimal point position of the value displayed on the main digital display. &0: No decimal point displayed
				&1: Leftmost position
				&2: 2nd digit from left
				&3: 3rd digit from left
				&4: 4th digit from left

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.

Error Code Details

Code	Contents	Meaning
#0000	Normal end	
#2203	Operation error	The value displayed on the main digital display is read when such as an incident level error occurs.
#2204	Operation error	The sensor's operation mode is not in the RUN mode.

Version History

Version	Date	Contents	
1.00	2005.12.	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.