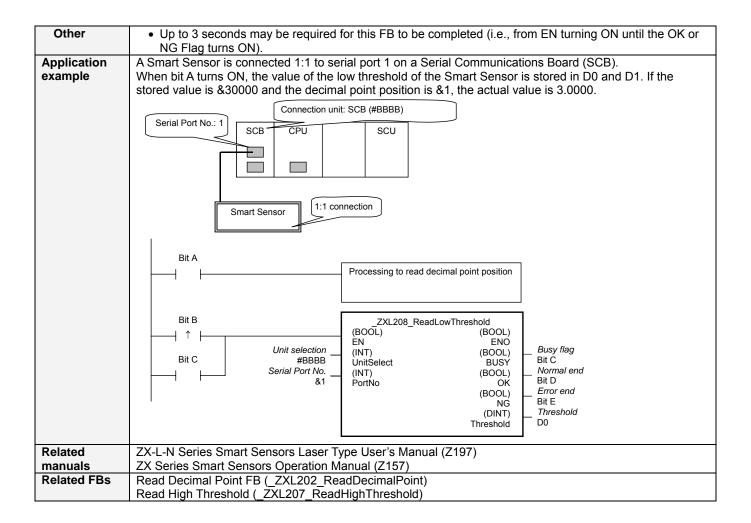
Read Low Threshold: \_ZXL208\_ReadLowThreshold

Basic	Reads the low threshold	d value from	the Smart Sensor				
function	Reads the low threshold value from the Smart Sensor.						
Symbol	1				1		
	Start trigger		_ZXL208_ReadLowThreshold (BOOL) (BOOL) EN ENO				
	<b> </b>						
	Busy Flag	Jnit selection —	(INT) UnitSelect	(BOOL) BUSY	Busy Flag		
	Se Se	erial Port No. —	(INT)	(BOOL)	Named and		
			PortNo	OK (BOOL)	Normal end		
				` NĞ	Error end		
				(DINT) Threshold	— Threshold		
File name	Lib\FBL\omronlib\Laser	Sensor\ZXL\	ZXL208 ReadLowThre	shold10 d	exf		
Applicable	Laser Sensor	ZX-LDA-N	<u></u>	01101010101			
models							
	CPU Unit		**H Unit version 3.0 or				
			**H Unit version 3.0 or				
		CJ1M-CPU CP1H	J** Unit version 3.0 or h	iigher			
		-	ept 10 points CPU)				
	Serial	CS1W-SCI	J21-V1. CJ1W-SCH21-V	'1. C.I1W-	SCU41-V1 Unit Version 1.2 or higher		
	Communications		B21-V1, 031W-00021-V				
	Units/Boards						
	CX-Programmer	Version 5.0	or higher				
Conditions	External Connections						
for usage	Can be used only for the control of the contro						
	(FB "_ZXLN***" car						
			n one network and canno	t cross to	another network.		
	Communications Setting		ne serial port must be the	sama as	those of the Laser Sensor.		
	The communications settings of the specified serial port can be set to the default Laser Sensor settings using the Set Communications Port ( ZXL600 SetComm) function block, and the other Laser Sensor						
	settings using the Set Serial Gateway Mode (_SCx604_SetPortGATEWAY) function block.  CPU Unit Settings  PLC Setup: Shared Settings for Communications Instructions in FBs						
	<ul> <li>Communications Instruction Response Timeout Time (default: 2 s) 5 s recommended</li> <li>Number of retries (default: 0)</li> <li>Shared Resources</li> <li>Communications ports (internal logical ports)</li> </ul>						
Function	Communications po     When the Start Trigger	orts (internal	logical ports)	and from	the Cmart Canaar connected to the		
description	When the Start Trigger turns ON, the low threshold value is read from the Smart Sensor connected to the Serial Port specified by the <i>Connection unit</i> and <i>Serial port No.</i>						
acscription	The threshold data read with this FB does not include the decimal point position.						
					nt) to read the decimal point.		
FB					ble can be used to check whether the		
precautions	FB is being process						
			y for one cycle after proc	essing is	completed. Use these flags to detect		
	the end of the FB p	rocessing.					
	Start Trigger	ON	٦				
		OFF					
	Busy Flag	ON					
		OFF					
	Normal End (OK) or Error End (NG)	ON OFF					
	Liisi Liid (140)	-					
	Threshold						
	• When this FR is etc	irted the out	put parameters are clear	-ed			
				ou.			
EN input	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						
condition	output from the FB.						
Restrictions			ntiated condition for EN.				
Input	If the input variables are out of range, the ENO Flag will turn OFF and the FB will not be processed.						
variables		10.1		, -	B. I. II. II. B.		
Output					R including the BUSY output variable		
variables			re that the FB is process riable ON or OFF outside		ipietion (see Symbol).		
			COLUMN TO THE CHIEF OF TRICK	_ 1114 FK			



# ■ Variable Tables Input Variables

Variable name	Data type	Default	Range	Description
EN	BOOL			1 (ON): FB started.
				0 (OFF): FB not started.
UnitSelect	INT	&0	At right.	Specify the Unit and the serial port.
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 accessed. (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
	EN UnitSelect	EN BOOL UnitSelect INT	EN BOOL UnitSelect INT &0	EN BOOL UnitSelect INT &0 At right.

**Output Variables** 

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.
Threshold	Threshold	DINT	~19999 to	Outputs the value of the low threshold.
			59999	

#### **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**

	Jour Double					
Code	Contents	Meaning				
#0000	Normal end					
#2203	Operation error	A setting is incorrect. Refer to the <i>Smart Sensor Operation Manual</i> for setting error conditions for thresholds, hystereses, and other parameters.				
#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.