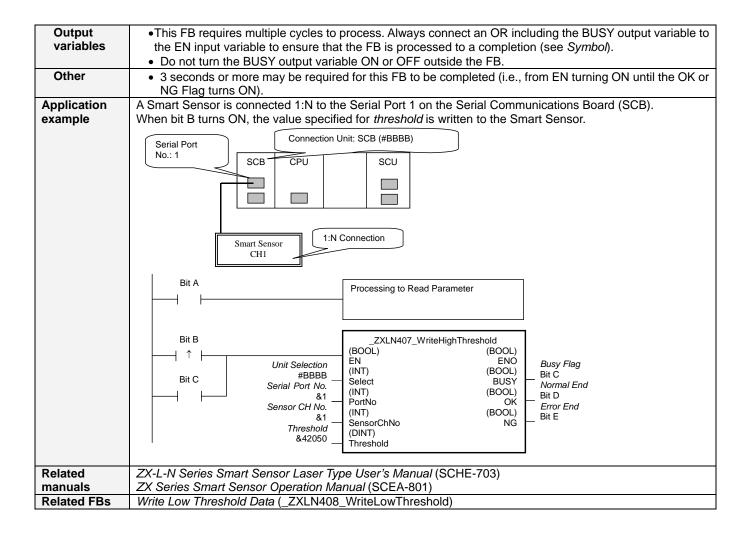
Write High Threshold: _ZXLN407_WriteHighThreshold

Basic function	Writes the high thresho	ld value.				
Symbol	s	Unit Selection erial Port No ensor CH No Threshold	ÈN (INT) (BC UnitSelect B (INT) (BC PortNo	DOL) ENO DOL) SUSY DOL) OK DOL) NG Error End		
File name	Lib\FBL\omronlib\Lase	rSensor\7XLI	N_ZXLN407_WriteHighThres	hold10 cxf		
Applicable	Smart Sensor	ZX-LDA-N	TYZXEIT107VVII.01 ligi1111100	TOTA TOTOXI		
models	CPU Unit	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 CP1L (except 10 points CPU)				
	Serial	CS1W-SCI	U21-V1, CJ1W-SCU21-V1, C.	J1W-SCU41-V1 Unit Version 1.2 or higher		
	Communications	CS1W-SCI	B21-V1 and CS1W-SCB41-V1	I Unit Version 1.2 or higher		
	Units/Boards CX-Programmer	Version 5.0) or higher			
Conditions	■External Connections		or myner			
Function description	 Can be used for 1:N connections in the controller configuration of the sensor side. Communications must be within one network and cannot cross to another network. Communication Settings The communication settings of the serial port (Serial Gateway) must be the same as those of the Smart Sensor. The communications settings of the specified serial port can be set to the default Smart Sensor settings (the factory shipment value) using the Set Communications Port (_ZXL600_SetComm) function block, and the other Smart Sensor settings using the Set Serial Gateway Mode (_SCx604_SetPortGATEWAY) function block. CPU Unit Settings PC System Setup: Shared Settings for Communications Instructions in FBs Communications Instruction Response Timeout Time (default: 2 s), 5 s o more is recommended. Number of retries (default: 0) Shared Resources Communications ports (Internal logical ports) When the Start Trigger turns ON, the value specified for the high threshold is written to the Smart Sensor connected to the Serial Port specified by the Connection unit, Serial port No and Sensor CH No. When the Write Parameter Area command is executed, the setting is written to the internal memory. However, there is a limit to the number of internal memory writes. If a parameter is written to the same sensor 					
	number of writes per pa	arameter to th	he same sensor does not exce			
FB precautions	FB is being process	ed. Irned ON onl		variable can be used to check whether the ng is completed. Use these flags to detect		
	Normal End (OK) or Error End (NG)	ON OFF	↑ FB execution compl	eted.		
EN input condition	Connect EN to an OR to from the FB as above.	etween an u	pwardly differentiated conditio	n for the Start Trigger and the BUSY output		
Restrictions		vardly differe	ntiated condition for EN.			
Input variables	 Always use an upwardly differentiated condition for EN. An error will occur if the high threshold minus the low threshold is less than the hysteresis. 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 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 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
Sensor CH No.	SensorChNo	INT	&1	&1 to &5	Specify the CH No. of the connecting
					sensor.
					e.g.: &2 in the case of CH2.
Threshold	Threshold	DINT	0	-19999 to +59999	Specify the value for the high threshold.

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.

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 setting is incorrect. Refer to the <i>ZX Series Smart Sensor Operation Manual</i> for the setting error conditions of thresholds or hysteresis width.
#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.