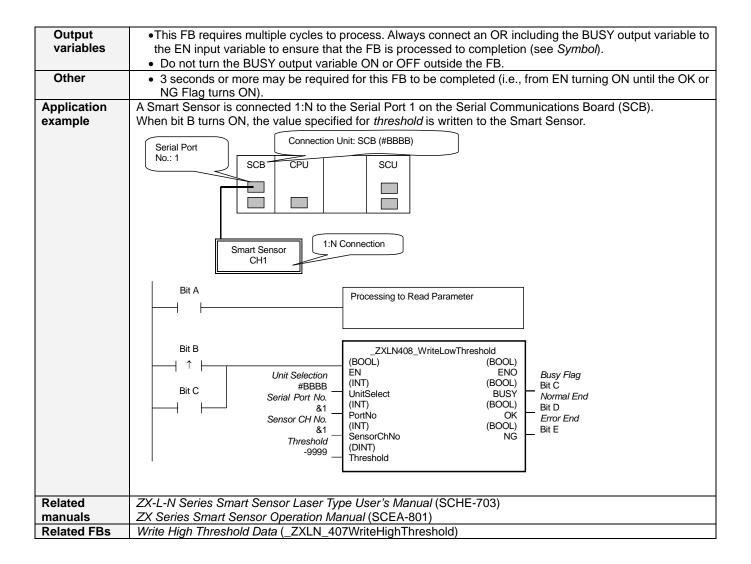
Write Low Threshold: _ZXLN408_WriteLowThreshold

Basic function	Writes the low threshold value	Э.			
Symbol	1				
Cymbol .	Start Trigger	_ZXLN408_WriteLowThreshold			
	│	(BOOL) (BOOL) EN ENO			
		(INT) (BOOL)			
	Busy Flag Unit Sele				
	Serial Por	t No (INT) (BOOL) Normal End			
	Sensor Cl	(INT) (BOOL) H No. SensorChNo NG Error End			
	Serisor or	(DINT)			
	Thr	esold Threshold			
File name	Lib\EBL\omroplib\LacorSonce	or\ZXLN_ZXLN408_WriteLowThreshold10.cxf			
Applicable		DA-N			
models					
		*-CPU**H Unit version 3.0 or higher			
		*-CPU**H Unit version 3.0 or higher			
	CP1	M-CPU** Unit version 3.0 or higher			
	CP1	L (except 10 points CPU)			
		W-SCU21-V1, CJ1W-SCU21-V1, CJ1W-SCU41-V1 Unit Version 1.2 or higher			
	Communications CS1 Units/Boards	W-SCB21-V1 and CS1W-SCB41-V1 Unit Version 1.2 or higher			
		ion 5.0 or higher			
Conditions	■External Connections	10.1. 0.10 0.1 mg.1.0.			
for usage	•Can be used for 1:N conn	ections in the controller configuration of the sensor side.			
		within one network and cannot cross to another network.			
	■Communication Settings	on at the period mant (Cariol Catavana) report he the carres on those of the Carant			
	The communication settings of the serial port (Serial Gateway) must be the same as those of the Smart Sensor.				
		gs of the specified serial port can be set to the default Smart Sensor settings			
	(the factory shipment valu	e) using the Set Communications Port (_ZXL600_SetComm) function block,			
		or settings using the Set Serial Gateway Mode (_SCx604_SetPortGATEWAY)			
	function block.				
	■CPU Unit Settings PC System Setup: Shared Settings for Communications Instructions in FBs				
	System Setup. Shared Setungs for Communications instructions in FBs Communications Instruction Response Timeout Time (default: 2 s), 5 s or more is recommended.				
	Number of retries (default: 0)				
	■Shared Resources				
Function	Communications ports (In: When the Start Trigger turns				
description	When the Start Trigger turns ON, the value specified for the low threshold is written to the specified task of the Smart Sensor connected to the Serial Port specified by the Connection unit, Serial port No and Sensor				
•	CH No.				
		ea 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 more than 1 million times, the internal memory may be destroyed. When executing this FB, make sure the				
		er to the same sensor does not exceed 1 million times.			
FB		r multiple cycles. The BUSY output variable can be used to check whether the			
precautions	FB is being processed. •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				
	Busy Flag ON OFF				
	Normal End (OK) or ON Error End (NG) OFF				
	Litor Life (140)	1			
		/ FB execution completed.			
EN input		n an upwardly differentiated condition for the Start Trigger and the BUSY output			
condition Restrictions	from the FB as above.	differentiated condition for EN.			
Input		nigh threshold minus the low threshold is less than the hysteresis.			
variables		out of range, the ENO Flag will turn OFF and the FB will not be processed.			
	pat variables are	and the Paris 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 low threshold.

Output Variables

Output Fullables				
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.