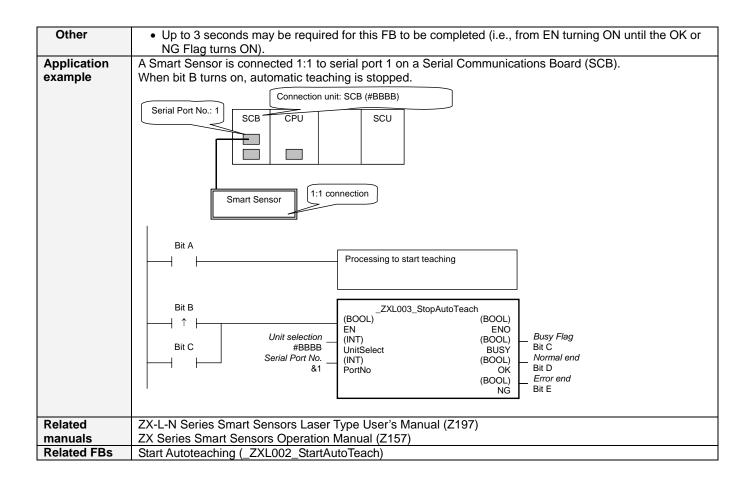
Stop Autoteaching: \_ZXL003\_StopAutoTeach

Basic function	Ends automatic teaching.				
Symbol	Busy Flag	Jnit selection — erial Port No. —	_ZXL003_StopAutoTeach (BOOL) EN (INT) UnitSelect (INT) PortNo	(BOOL) ENO (BOOL) BUSY (BOOL) OK (BOOL) NG  Error end	
File name	Lib\FBL\omronlib\Laser	Sensor\ZXL\		0.cxf	
Applicable	Laser Sensor	ZX-LDA-N			
models	CPU 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  CS1*-CPU**H Unit version 3.0 or higher CP1H CP1L (except 10 points CPU)				
	Communications Units/Boards			-V1 Unit Version 1.2 or higher	
	CX-Programmer	Version 5.0	or higher		
Conditions for usage	<ul> <li>External Connections</li> <li>Can be used only for 1:1 connections.         (FB "_ZXLN***" can be used for 1:N connections)</li> <li>Communications must be within one network and cannot cross to another network.</li> <li>Communications Settings         The communications settings of the serial port must be the same as those of the Laser Sensor.</li> <li>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.</li> <li>CPU Unit Settings         PLC Setup: Shared Settings for Communications Instructions in FBs</li> <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 description	When the Start Trigger turns ON, automatic teaching is stopped for the Smart Sensor connected to the Serial Port specified by the <i>Connection unit</i> and <i>Serial port No</i> .  Use this FB together with the Start Autoteaching FB (_ZXL002_StartAutoTeach).  The highest value achieved between starting and stopping teaching is set as the high threshold and the lowest value is set as the low threshold. Execute this FM after the Normal End flag for the Start Autoteaching FB (_ZXL002_StartAutoTeach) turns ON.  An execution error will occur if the display value is not being held or if the resulting high threshold is lower than the low threshold.				
FB precautions	FB is being proces:  OK or NB will be tu the end of FB proce Time Chart Start Trigger  Busy Flag	on OFF		ut variable can be used to check whether the ssing is completed. Use these flags to detect	
	Normal End (OK) or Error End (NG)	ON OFF	↑ FB execution o		
EN input condition	output from the FB.			dition for the start trigger and the BUSY	
Restrictions Input variables	Always use an upw		ntiated condition for EN. range, the ENO Flag will tu	rn OFF and the FB will not be processed.	
Output variables	to the EN input vari	able to ensu		ct an OR including the BUSY output variable to completion (see <i>Symbol</i> ). he FB.	



### **■ 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 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

**Output Variables** 

o atput turiables				
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.
				See below.

## **Error Code Details**

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 teaching and the zero reset function.
#2204	Operation error	The Sensor is not in RUN mode.

### **Version History**

Γ	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.