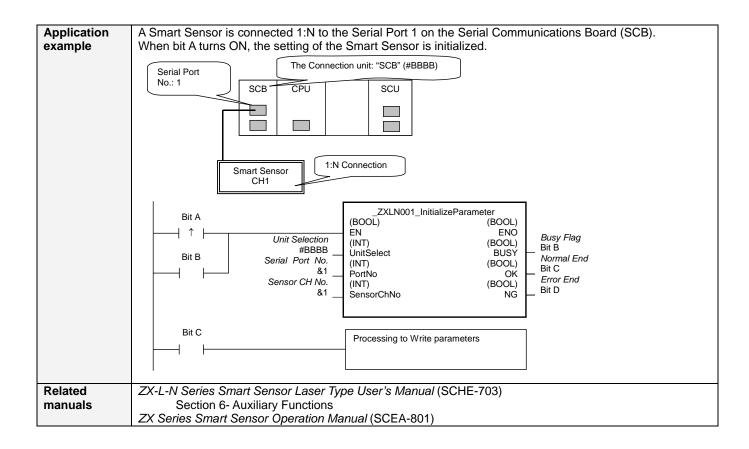
Initialize Settings: _ZXLN001_InitializeParameter

Basic function	Initializes the settings in the Smart Sensor.				
Symbol					
Symbol	Se				
File name	Lib\EDL\omronlib\Loogr	Sensor\ZXLN\ ZXLN001_IntializeParameter10.cxf			
Applicable	Smart Sensor	ZX-LDA-N			
models	Omart Ochson	ZA EBAN			
	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) CS1W-SCU21-V1, CJ1W-SCU41-V1 Unit Version 1.2 or higher			
	Communications Units/Boards	CS1W-SCB21-V1 and CS1W-SCB41-V1 Unit Version 1.2 or higher			
Conditions	CX-Programmer	Version 5.0 or higher			
for usage	 External Connections 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 communication 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 or more is recommended. •Number of retries (default: 0). ■Shared Resources •Communications port (Internal logical port)				
Function	When the Start Trigger turns ON, all settings are returned to their default values for the Smart Sensor				
FB precautions	 connected to the Serial Port specified by the Connection Unit, Serial Port No. and Sensor CH No. This FB is processed over multiple cycles. The BUSY output variable can be used to check whether the 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 Normal End (OK) or ON Error End (NG) OFF FB execution completed. 				
EN input	Connect EN to an OR between an upwardly differentiated condition for the Start Trigger and the BUSY				
condition	output from the FB as a				
Restrictions Input variables	 Always use an upwardly differentiated condition for EN. If the input variables are out of range, the ENO Flag will turn OFF and the FB will not be processed. 				
Output variables	 This FB requires multiple cycles to process. Always connect an OR including the BUSY output variable to the EN input variable to ensure that the FB is processed to a completion (see <i>Symbol</i>). Do not turn the BUSY output variable ON or OFF outside the FB. 				
Other	•3 seconds or more may be required for this FB to be completed (i.e., from EN turning ON until the OK or NG Flag turns ON).				



■ 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.

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 for the applicable models, teaching or a zero reset is incorrect. Refer to the ZX Series Smart Sensor Operation Manual for the error conditions of teaching or the zero reset function.
#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.