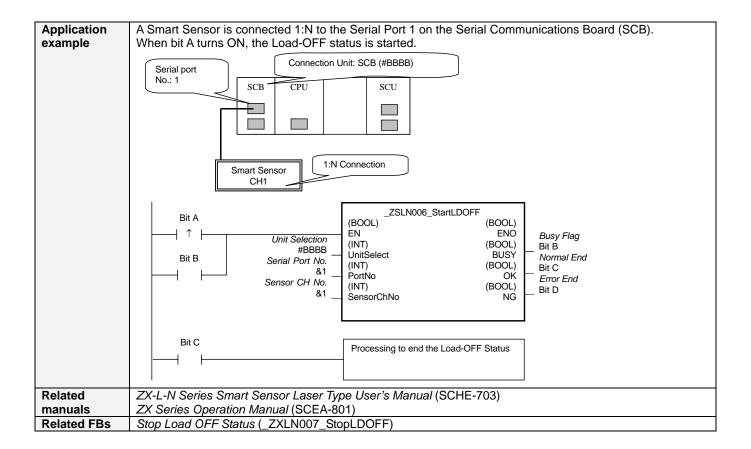
Start Load OFF Status: _ZXLN006_StartLDOFF

Basic function	Starts the Load-OFF status.				
Symbol					
- Cymbol	Start TriggerZXLN006_StartLDOFF				
	(BOOL) (BOOL)				
	EN ENO (ROOL)				
	Busy Flag Unit Selection UnitSelect UnitSelect Busy Flag				
	Serial Port No (INT) (BOOL) Normal End				
	(INT) (BOOL)				
	Sensor CH No SensorChNo NG Error End				
File name	Lib\FBL\omronlib\LaserSensor\ZXLN_ZXLN006_StartLDOFF10.cxf				
Applicable	Smart 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 CS1W-SCU21-V1, CJ1W-SCU21-V1, CJ1W-SCU41-V1 Unit Version 1.2 or higher CS1W-SCB21-V1 and CS1W-SCB41-V1 Unit Version 1.2 or higher				
	Units/Boards				
	CX-Programmer Version 5.0 or higher				
Conditions	■External Connections				
for usage	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 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				
Function	Communications ports (Internal logical ports) When the Start Trigger turns ON, the Lead OFF status is started (i.e., the least is turned OFF) for the Smart.				
description	When the Start Trigger turns ON, the Load-OFF status is started (i.e., the laser is turned OFF) for the Smart Sensor connected to the Serial Port specified by the Connection unit, Serial port No. and Sensor CH No.				
description	(The laser is turned OFF.)				
FB	•This FB is processed over 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				
	Pury Flor				
	Busy Flag ON OFF				
	<u> </u>				
	Normal End (OK) or ON				
	Error End (NG) OFF				
	↑ FB execution completed.				
EN input	Connect EN to an OR hatween an unwardly differentiated condition for the Start Trigger and the BLICY cutout				
condition	Connect EN to an OR between an upwardly differentiated condition for the <i>Start Trigger</i> and the BUSY output from the FB as above.				
Restrictions	Always use an upwardly differentiated 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	will railed at a cat of railed, the Lite i lag will tall of i alla the i b will not be processed.				
Output	•This FB requires multiple cycles to process. Always connect an OR including the BUSY output variable to				
variables	the EN input variable to ensure that the FB is processed to a completion (see Symbol).				
	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.
					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
Selisoi CH NO.	SCHSUICHNO	IINI	ι α i	α 1 10 α3	, ,
					sensor.
					e.g.: &2 in the case of CH2.

Output Variables

Cutput Vallables				
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.

in the 14C mag from the 1 B tame C14, the following internal variables out be membered to obtain information on the circle.				
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 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.