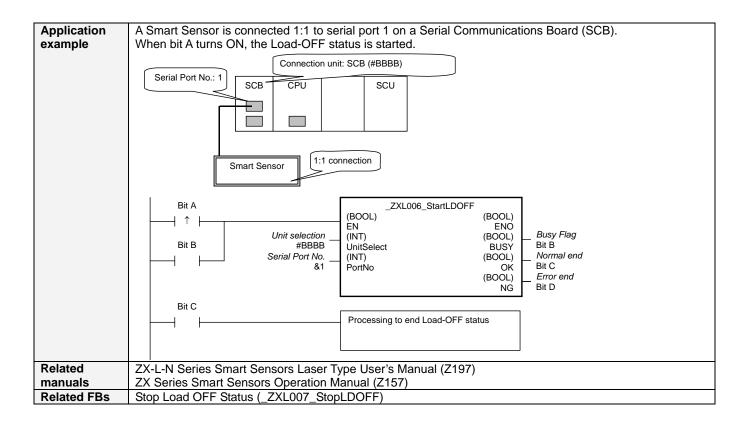
Start Load OFF Status: _ZXL006_StartLDOFF

ZXL -006

Basic function	Starts the Load-OFF status.					
Symbol	Busy Flag	it selection — al Port No. —	_ZXL006_StartL (BOOL) EN (INT) UnitSelect (INT) PortNo	LDOFF (BOOL) ENO (BOOL) BUSY (BOOL) OK (BOOL) NG	— Busy Flag — Normal end — Error end	
File name	Lib\FBL\omronlib\LaserSe	ensor\ZXL\	ZXL006_StartLDOF	F10.cxf		
Applicable models	Laser Sensor	ZX-LDA-N				
	Serial	CJ1*-CPU* CJ1M-CPU CP1H <u>CP1L (exce</u> CS1W-SCU	ept 10 points CPU) J21-V1, CJ1W-SCU2) or higher or higher 21-V1, CJ1W-	SCU41-V1 Unit Version 1.2 or higher t Version 1.2 or higher	
		Version 5 () or higher			
Conditions for usage	CX-Programmer Version 5.0 or higher External Connections • Can be used only for 1:1 connections. (FB "_ZXLN***" can be used for 1:N connections) • Communications must be within one network and cannot cross to another network.					
	 Communications Settings The communications settings of the serial port must be the same as those of the Laser Sensor. 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. CPU Unit Settings PLC Setup: Shared Settings for Communications Instructions in FBs Communications Instruction Response Timeout Time (default: 2 s) 5 s recommended Number of retries (default: 0) Shared Resources Communications ports (internal logical ports) 					
Function 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 <i>Connection unit</i> and <i>Serial port No</i> .					
FB precautions	The FB is processed FB is being processed OK or NB will be turn the end of FB proces Time Chart Start Trigger (Busy Flag ()	over multij ed. ned ON for	ple cycles. The BUS`	Y output varial	ble can be used to check whether the completed. Use these flags to detect	
		ON OFF	 ↑ FB exe	ecution completed.		
EN input condition	Connect EN to an OR bet output from the FB.	tween an u	pwardly differentiate	d condition for	r the start trigger and the BUSY	
Restrictions Input variables	Always use an upwar				and the FB will not be processed.	
Output variables	to the EN input varial	ble to ensu	re that the FB is proc	cessed to com	R including the BUSY output variable pletion (see <i>Symbol</i>).	
Other	 Do not turn the BUSY output variable ON or OFF outside the FB. Up to 3 seconds 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	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 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	

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.
				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

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.