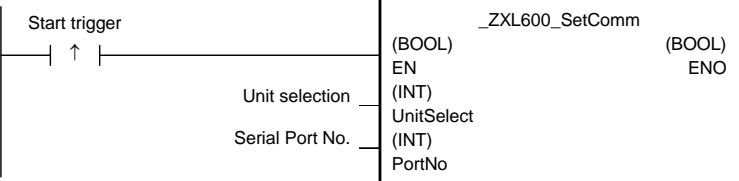
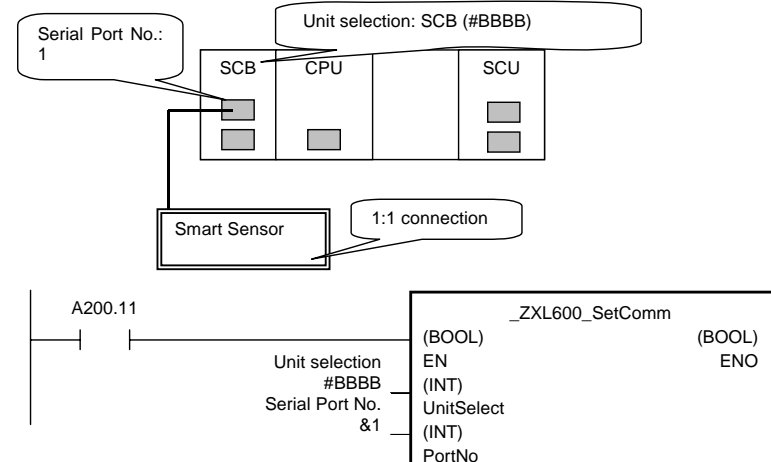


ZXL 600	Set Communications Port: _ZXL600_SetComm								
Basic function	Sets the communications settings of the serial port on the PLC to the same settings as those of the ZX-LDA.								
Symbol									
File name	Lib\FBL\omronlib\LasorSensor\ZXL_ZXL600_SetComm10.cxf Lib\FBL\omronlib\LasorSensor\ZXLN_ZXL600_SetComm10.cxf								
Applicable models	<table border="1"> <tr> <td>Displacement Sensors</td> <td>ZX-LDA-N</td> </tr> <tr> <td>CPU Unit</td> <td>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)</td> </tr> <tr> <td>Serial Communications Units/Boards</td> <td>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</td> </tr> <tr> <td>CX-Programmer</td> <td>Version 5.0 or higher</td> </tr> </table>	Displacement Sensors	ZX-LDA-N	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 Communications Units/Boards	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	CX-Programmer	Version 5.0 or higher
Displacement Sensors	ZX-LDA-N								
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)								
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CX-Programmer	Version 5.0 or higher								
Function description	When the Start Trigger turns ON, the communications settings of the serial port on the PLC are set to the same settings as those of the ZX-LDA and the port is restarted. The default communications settings of the Displacement Sensor are as follows: Baud rate: 38,400 bps Data length: 8 bits Stop bits: 1 bit Error detection: None The port settings can also be made in the PLC Setup for CPU Unit ports or in the DM Area for Serial Communications Units/Boards.								
FB precautions	A restart completion check is not performed for this FB.								
EN input condition	Always use an upwardly differentiated bit or the First Cycle Flag (A200.11). If one is not used, the serial port will be continuously restarted.								
Restrictions Input variables	Always use an upwardly differentiated condition for EN.								
Application example	<p>A Displacement Sensor is connected 1:N to serial port 1 on a Serial Communications Board (SCB). When operation is started, the communications settings of the serial port are set to the same settings as those of the Displacement Sensor.</p> 								
Related manuals	ZX Series Smart Sensors Operation Manual (Z157) Appendices								

■ 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. Only serial port 2 of CP1H/CP1L M-type CPU unit is possible to use this FB. <ul style="list-style-type: none"> ■ Connected to CPU Unit <table style="margin-left: 20px;"> <tr> <td>Unit selection</td> <td>#FFFF</td> </tr> <tr> <td>Serial port No.</td> <td>Not accessed. (CP1H/CP1L-M: Serial Port2 CP1L-L14/20: Serial Port1)</td> </tr> </table> ■ Connected to Serial Communication Board(SCB) <table style="margin-left: 20px;"> <tr> <td>Unit selection</td> <td>#BBBB</td> </tr> <tr> <td>Serial port No.</td> <td>&1: Serial Port 1 &2: Serial Port 2</td> </tr> </table> ■ Connected to Serial Communication Unit(SCU) <table style="margin-left: 20px;"> <tr> <td>Unit selection</td> <td>SCU Unit No. (&0 to &15)</td> </tr> <tr> <td>Serial port No.</td> <td>&1: Serial Port 1 &2: Serial Port 2</td> </tr> </table> 	Unit selection	#FFFF	Serial port No.	Not accessed. (CP1H/CP1L-M: Serial Port2 CP1L-L14/20: Serial Port1)	Unit selection	#BBBB	Serial port No.	&1: Serial Port 1 &2: Serial Port 2	Unit selection	SCU Unit No. (&0 to &15)	Serial port No.	&1: Serial Port 1 &2: Serial Port 2
Unit selection	#FFFF																
Serial port No.	Not accessed. (CP1H/CP1L-M: Serial Port2 CP1L-L14/20: Serial Port1)																
Unit selection	#BBBB																
Serial port No.	&1: Serial Port 1 &2: Serial Port 2																
Unit selection	SCU Unit No. (&0 to &15)																
Serial port No.	&1: Serial Port 1 &2: Serial Port 2																
Serial Port No.	PortNo	INT	&1	&1 to &2													

Output Variables

Name	Variable name	Data type	Range	Description
ENO (May be omitted.)	ENO	BOOL		1 (ON): FB processed normally. 0 (OFF): FB not processed or ended in an error.

Version History

Version	Date	Contents
1.00	2004.12.	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.