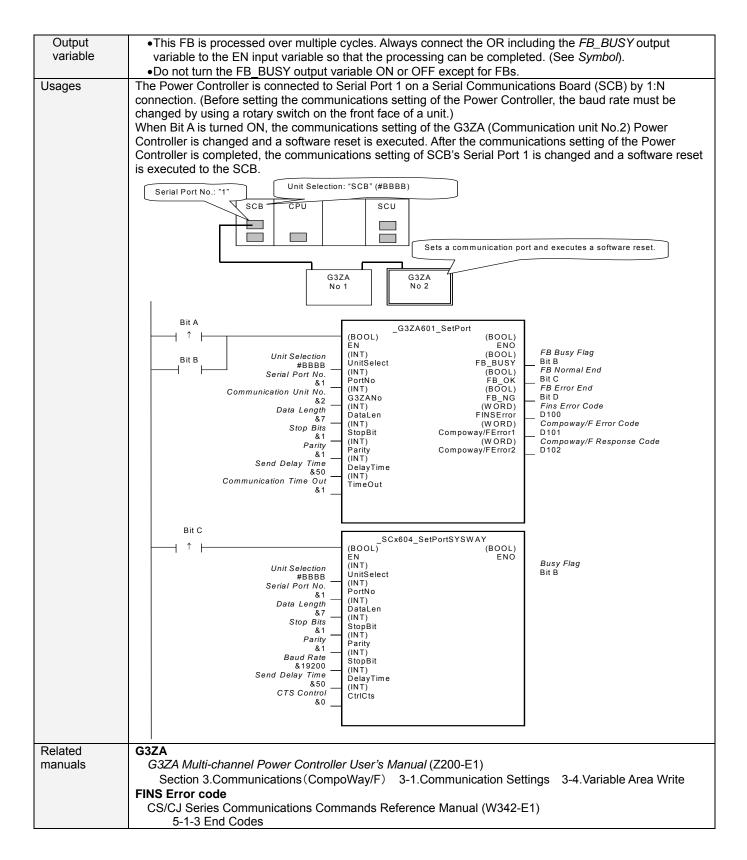
G3ZA 601	Set G3ZA Communication Port _G3ZA601_SetPort			
Decis Function	Sata the C27A communic	action part		
Basic Function Symbol	Sets the G3ZA communication port. Start Trigger G3ZA601 SetPort			
	Busy Flag Uni Busy Flag Uni Seria Communicatio D	(INT) (WORD) ata Length dataLen (INT) (WORD) Stop Bits CH1 Parity Compway/FError1 (INT) (WORD) Parity Compway/FError2 Delay Time (INT)		
File name	Lib\FBL\omronlib\PowerC	Controller\G3ZA\Serial_G3ZA601_SetPort10.cxf		
Applicable	Power Controller	G3ZA		
models	Serial Communications Units/Boards	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-SCU21-V1, CJ1W-SCU41-V1 Unit Version 1.2 or higher CS1W-SCB21-V1 and CS1W-SCB41-V1 Unit Version 1.2 or higher		
		Version 5.0 or higher		
Usage condition	 External Connection 1:N connection is possible. Communications Setting The communications setting of a serial port (Serial Gateway) must be identical to that of the Power Controller. The communications setting of the specified serial port can be matched to the default Power Controller setting (the factory shipment value) by using the <i>Set Communication Port</i> (_G3ZA600_SetComm) FB, and also to the settings other than the default setting by using the <i>Set Serial Gateway Mode</i> (_SCx604_SetPortGATEWAY) FB. The baud rate of the Power Controller is set by using a rotary switch on the front face of a unit. CPU Unit Setting PLC Setup: <i>Shared Settings for Communications Instructions in FBs</i> Communications Instruction Response Timeout (default: 2 s): 5 s or more is recommended. The number of retries (default: 0). Shared Resource A communication port (an internal logical port) 			
Descriptions	When a Start Trigger is turned ON, the G3ZA communication port is set. When an error occurs, refer to 1) <i>FINS Error Code</i> , 2) <i>Compoway/F Error Code</i> and 3) <i>Compoway/F Response Code</i> in this order. When ended normally, both the error code output and response code output become #0000.			
Precautions	•This FB is processed the FB is in process.	over multiple cycles. The <i>FB_BUSY</i> output variable can be used to check whether be turned ON only for one cycle upon a completion of processing. Use these flags of FB processing.		
EN input		tween the <i>Start Trigger</i> 's DIFU (differentiate up) and the <i>FB_BUSY</i> output from the		
condition Restrictions Input variable	FB. See the diagram abo Always use DIFU (different	ve. ntiate up) (↑) for EN inputs.		



Variable Tables

Input Variables			_		1
Name	Variable Name	Data Type	Default	Scope	Descriptions
EN	EN	BOOL			1(ON): A FB is started.
					0(OFF): A FB is 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
					az. Senai Polt z
Communication	G3ZANo	INT	&0	&0 to &31	Specifies the communication unit No. of
Unit No.					G3ZA.
Data Length	DataLen	INT	&7	&7 to &8	Specifies the data length.
0					&7; 7 bits
					&8; 8 bits
Stop Bits	StopBit	INT	&2	&1 to &2	Specifies the stop bit.
					&1; 1 bit
					&2; 2 bits
Parity	Parity	INT	&1	&0 to &2	Specifies the parity.
-	-				&0; None
					&1; Even
					&2; Odd
Send Delay Time	DelayTime	INT	&20	&0 to &99	Specifies the send delay time.
					0 to 99 (ms)
					Specifies it in increment of 1ms.
Communication	Timeout	INT	&0	&0 to &60	Specifies the communication timeout time.
Timeout Time					0 to 60 (min)
					Specifies in increment of 1min.

Output Variable				
Name	Variable Name	Data Type	Scope	Descriptions
ENO	ENO	BOOL		1(ON): A FB has operated normally.
(Omissionable)				0(OFF): A FB has not started. / A FB ended in error.
FB Busy Flag	FB_BUSY	BOOL		Turned off automatically after a completion of
				processing.
FB Normal End	FB_OK	BOOL		Turned ON only for 1 cycle when processing ends
				normally.
FB Error End	FB_NG	BOOL		Turned ON only for 1 cycle when processing ends in
				error.
FINS	FINS_ErrorCode	WORD		Outputs the Fins Error Code when a FB_NG flag is
Error Code				ON. It is #0000 when ended normally. For details of the
				codes, refer to the CS/CJ Series Communications
				Commands Reference Manual (W342-E1).
Compoway/F	CompowayF_Erro	WORD		Outputs the Compoway/F Error Code when a FB_NG
Error Code	rCode1			flag is ON. Mainly the error statuses on physical
				communication lines are output as the Compoway/F
				Error Code. It is #0000 when ended normally. For
				details of the codes, refer to the descriptions below.
Compoway/F	CompowayF_Erro	WORD		Outputs the Compoway/F Response Code when a
Response Code	rCode2			FB_NG flag is ON. Mainly the operation error status of
				the Power Controller is output as the Compoway/F
				Response Code. It is #0000 when ended normally. For
				details of the codes, refer to the descriptions below.

Compoway/F Error Code

Code	Contents	Descriptions		
#0000	Normal End	The command processing ended normally.		
#000F	FINS Command Error	Specifying a FINS command cannot be executed.		
#0010	Parity Error	The sum of bits whose received data is "1" does not accord with the setting of a "Communication Parity".		
#0011	Flaming Error	The stop bit is "0".		
#0012	Overrun Error	The next data was received when it was full with the already received data.		
#0013	BCC Error	The received BCC and the calculated BCC are different.		
#0018	Frame Length Error	The length of the received flame exceeds the specified number of bytes.		

Compoway/F Response Code

Code	;	Contents	Descriptions
#000	0	Normal End	The processing ended normally.
#220	3	Operation Error	An error occurred in the G3ZA nonvolatile memory.

Version History

Version	Date	Contents
1.00	2006.08	Original Production

Attention

This document describes the functions of Function Blocks.

The usage restrictions for units or components and its combinations are not described here. We would like you to make sure of reading the *User's Manual* before actually using the products.