

Rockwell (Allen-Bradley)

SLC500 Series (Serial) PLC Connection

Communication Setting Sample

GP Setup		PLC Setup	
Communication Rate	19200bps	Baud Rate	19200bps
Data Length	8bits		
Stop Bit	1bit		
Parity	Even	Parity	Even
Control	ER Control		
Communication	RS-232C		
Format			
		Communication Driver	DF1
			HALF-DUPLEX
			SLAVE ^{*1}
		Duplicate Packet	DISABLE ^{*1}
		Detection	
		Error Detection BCC *1	
		Control Line	NO HANDSHAKING
			*1
Unit No.(DH GP) ^{*2}	0	Station Address	0

- *1 Will not operate with any other settings.
- *2 Setup the Station Address and the GP Unit No. (DH GP) address to the same value (address set as decimal values). It is unnecessary to setup the DH PLC address.



Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.

Sa.prw : Untitled - Project Manager Project Screen/Setup Control Utility Help	
	PRO/PBIII Package03
GP Setup Project Logic Program Edi	itor Transfer
New Image: Second state Image: Open Image: Second state	icreen
123 Variable	Allen Bradley SLC500 SERIES
GP2600 Findley SLC500 SERIES	Charles Exit Pro-face
Open screen for editing	



Communication Settings [GP]

1 [GP-PRO/PB C-Package Setting]

Select [GP Setup] on Project Manager.





set DH Address.
Address (0 - 255) ary Address (0 - 255)
No. must be same address.

Select [Transfer] --> [Setup] --> [Transfer Settings].

- Send Information	Communications Pr	ort
✓ Upload Information	⊙ <u>с</u> ом	
GP System Screen	Comm Port	COM1 Retry Count 5
Data Trans Func CSV Data(CF card)	Baud Rate	115.2K (bps)
	C Ethernet	
- Transfer Method Send All Screens	IP Address	0. 0. 0. 0 Port 8000
Automatically Send Changed Screens Gend User Selected Screens Ethernet: Auto Acquistion		Acquistion
	C Memory Loader	
Setup Us C	e Extended Program : ☑ Simulation	
_	System Screen	
English		
Japanese <u>Selection</u> C:\Program Files\pro-face\ProP	BWin\protocol\ <u>B</u> rowse	
0K	Cancel	Help

Transfer to GP after settings completed.



2 [GP Settings]





3) PLC Setup	3) PLC Setup	
MAIN MENU INITIALIZE 2 SET UP I/O 3 PLC SETUP 4 INITIALIZE MEMORY 5 SET UP TIME 6 SET UP SCREEN	MAIN MENU INITIALIZE PLC SETUP PLC SETUP	
SET UP OPERATION SURROUNDINGS MENU 1:1 n:1 1 SET UP OPERATION SURROUNDINGS	SET UP OPERATION SURROUNDINGS MENU 1: 1	
SET UP OPERATION SURFOLUTIONS SET UP OPERATION SURFOLUTIONS SET UP OPERATION SURFOLUTIONS START ADDRESS F0 1 START ADDRESS F0 1 DH ADDRESS (DECIMAL) GP E0 1 FLC E0 1 SYSTEM AREA REATIONS AREA STUE (0-956) E0 1 1 2 3 4 5 6 7 8 9 0 ↑ ↓ 66 0 0 ↓ ↓ 66	SYSTEM DATA AREA START FILE: The N device is fixed. Array Number (Arbitrary) START ADDRESS: Element Number (Arbitrary) DH ADDRESS GP : Arbitrary Address (0 - 255) DH ADDRESS PLC : Arbitrary Address (0 - 255)	
	* GP No. and PLC No. must be same address.	