

### Connecting Rockwell (Allen-Bradley)

## ControlLogix 5000 Series Ethernet

#### Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.





#### Communication Settings [GP]

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

#### Select [GP Setup] on Project Manager.





Select [Mode Settings] --> [Network...].

3) Setting network Information	3) Setting Network Information
ControlLogix EtherNet/IP	• Target No. of node
Target No. of node 1 Node No. 1 IP address 0.0.0.0 Slot No. 0 Ok Cancel Help	<ul> <li>Target No. of hode</li> <li>Designate the number of PLCs connected to one GP unit. You can connect up to 2 PLCs.</li> <li>Target Node No.</li> <li>Designate the PLC's node number for the IP address. This node number is used when allocating addresses on the edit screen.</li> <li>Target IP address</li> <li>Enter your PLC's IP address</li> <li>Target Slot No.</li> </ul>
	<ul> <li>Enter the PLC slot No. used for installing the CPU unit.</li> <li>* Host Communication Error (02:D0: **) will appear if any slot number other than that of CPU.</li> </ul>

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

o 1177 - 2		
Send Information	Communications Port	
GP System Screen	© <u>C</u> OM	
Filing Data(CF card)	Comm Port COM1 Retry Count 5	
Data Trans Func CSV Data(CF card)	Baud Rate 115.2K 💌 (bps)	
	○ <u>E</u> thernet	
Transfer Method	IP Address 0. 0. 0. Port 8000	
Send All Screens		
Automatically Send Changed Screens	C Ethernet: Auto Acquistion	
O Send User Selected Screens		
	O Memory Loader	
Transfer Mode		
<ul> <li>Preparation for a transfer and a transfer are made similar</li> </ul>	nultaneous.	
It is transferred after preparation for a transfer is finished	hed.	
Setup  C Automatic Setup Use Extended Program :		
	Simulation	
C Do NOT Perform Setup		
System Screen		
Setup CFG file :		
<ul> <li>English</li> </ul>		
O Japanese		
C Selection C:\Program Files\pro-face\ProPBWir	in/protocol/ Browse	
 ОК	Cancel Help	
	Cancer neip	

Transfer to GP after settings completed.



2 [GP Settings]

1) Checking GP Type	1) Checking GP Type
MAIN MENU         V4.33         *03/00/00         00:00           1         INITIALIZE         2         SCREEN DATA TRANSFER         3         SELF-DIAGNOSIS         4         RUN         4         RUN         4         RUN         2         24/4/2000         V4.54         5         1<	If you have selected Rockwell (Allen-Bradley) PLC Control Logix 5000Series Ethernet AB ControlLogix (Ethernet/IP), the following will be shown. "CRTL_LOGIX_EIP"
2) Setting up Operation Surroundings SETUP OPERATION SURROUNDINGS NEW	2) Setting up Operation Surroundings [MAIN MENU] ↓ [INITIALIZE]
2 SETUP ETHERNET INFORMATION 3 SETUP ETHERNET EXT. INFORMATION	[PLC SETUP]
4 DESTINATION NODES INFORMATION	
	[PLC SETUP]
	[SETUP OPERATION SURROUNDINGS]
3) Checking System Start Address	3) Checking System Start Address
SET UP OPERATION SURROUNDINGS SET CANCEL STARTING ADDRESS OF (0-255) DATA AREA [INT 977:0_27] SYSTEM AREA READING AREA SIZE (0-256) [ 0 ] RESET OP ON DATA WRITE ERROR ON OFF Note: The system start address cannot be changed on OP. Please use OP-FR0JPES to set this data and re-send to the OP.	<ul> <li>* The system start address cannot be changed on GP. Please use GP-PRO/PB3 to set this data and re-send to GP.</li> <li>[GP SYSTEM SETUP]</li> <li>[MODE SETUP]</li> </ul>



4) Setting Up Ethernet Information	4) Setting Up Ethernet Information
SET UP ETHERNET INFORMATION SET CANCEL SRC IP ADDRESS [ ]. [ ]. [ ]. [ ] SRC PORT NO. [ ]	Enter each item in the [SETUP ETHERNETINFORMATION] screen. • SRC IP ADDRESS (0 to 255)
	Enter the IP address for your station's GP
	unit. To do this, separate the 32 bits of the
	IP address into four segments of eight bits
	each, separate those segments with a dot
	and then enter them as decimal numbers.
	• SRC PORT NO. (1024 to 65535)
	Enter your GP's Port No. * Please do not use the numbers from 8000 to 8999 because they are the port numbers used for Pro-Server.
5) DESTINATION NODE INFORMATION	<u>U5) Checking Destination Node Information</u>
DESTINATION NODE	The destination (PLC) network address, the destination node address, and IP address are displayed here.
	* The destination node information settings cannot be set or changed on GP. Please use GP-PRO PB3 to change them.
Please use GP-FR0/FB3 to change them.	[GP SYSTEM SETTINGS]
	[MODE SETTINGS]
	NETWORK INFORMATION SETTINGS
	*Refer to page 6.

# NOTE

Protocol Type is TCP/IP Connection.