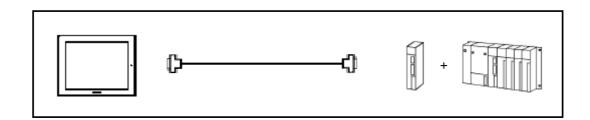


<u>Mitsubishi <5> Mitsubishi Electric Corporation</u> <u>A Series (AnS/AnSH/A0J2) + Link Unit (Medium) Connection</u>

System Structure



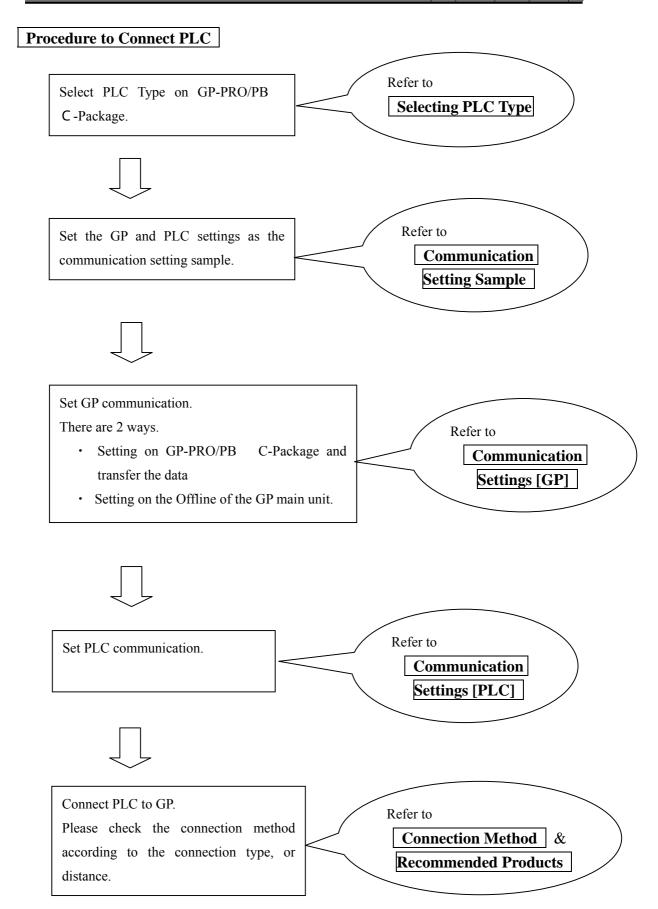
GP

Machine	Model	Remark
GP	GP70 Series	Excepting for handy types.
	GP77/77R Series	
	GP2000 Series	
GLC	GLC2000 Series	

PLC

CPU	Computer Link Unit	Communication	Connection Cable	
		Method	502	GP
AOJ2 AOJ2H	AOJ2-C214-S1	RS-422	Connection Method [2]	
A1S	A1SJ71C24-R2 A1SJ71UC24-R2	RS-232C	Connection Method [1]	
	A1SJ71C24-R4	RS-422	Connection Method	
A1SJ,	A1SJ71UC24-R4	KS-422	[2]	
A2SH, A1SH	A1SJ71UC24-R2	RS-232C	Connection Method	
A2CCPU24	Link Unit on CPU Unit	RS-232C	[1]	







Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.



Communication Setting Sample

GP Setup)	Computer Link	Unit Setitings
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	7 bits	Data Bit	7 bits
Stop Bit	2 bits	Stop Bit	2 bits
Parity Bit	Even	Parity Check Parity setting even/odd	Yes Even
Data Flow Control	ER Control	-	-
Communication Format (RS-232C)	RS-232C	Channel Setup Mode Setup (RS-232C)	RS-232C 4 (Format 4 protocol)
Communication Format (RS-422)	4-wire type	Channel Setup Mode Setup (RS-422)	RS-422 8 (Format 4 protocol)
		Write possible in RUN mode.	Possible
		Sum Check	Yes
Unit No.	0	Station Number	0

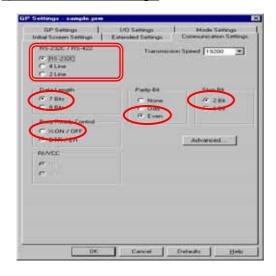


Communication Settings [GP]

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

Select [GP Setup] on Project Manager.

1) Communication Settings



1) Communication Settings

Transmission Speed: 19200bps

Data Length: 7 Bits Stop Bit: 2 Bits Parity Bit: Even

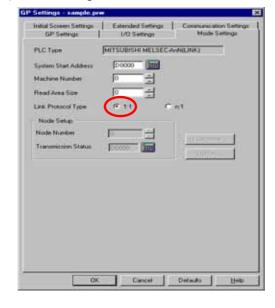
Busy Ready Control: DTR / ER

RS-232C/ RS-422

RS-232C Connection: RS-232C RS-422 Connection: 4 Line

* Select one in depending on the communication method.

2) Mode Settings



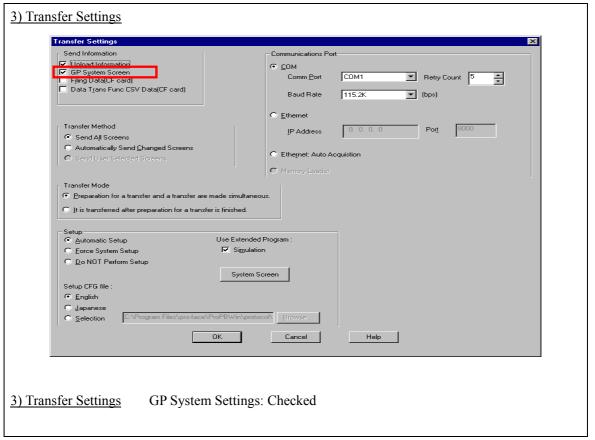
2) Mode Settings

System Start Address: Arbitrary Address

Machine No.: 0
Link Protocol Type: 1:1



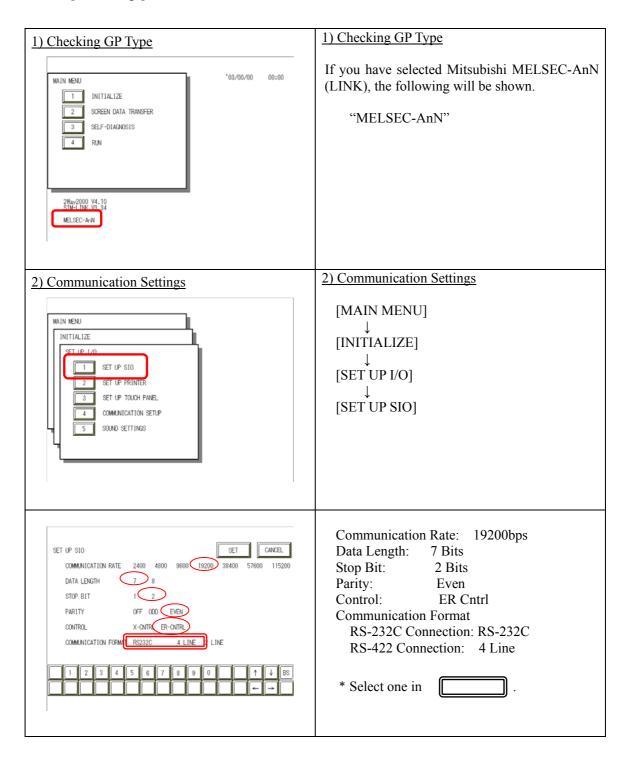
Select [Transfer] --> [Setup] --> [Transfer Settings].



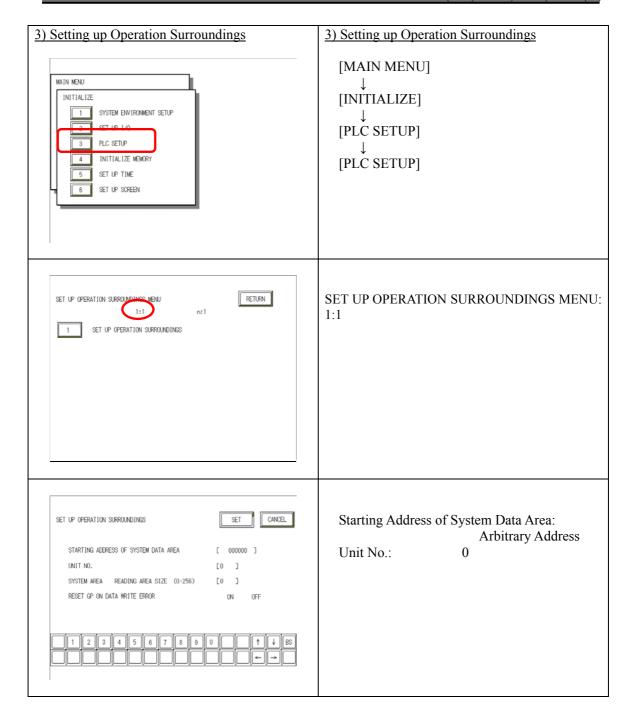
Transfer to GP after settings completed.



2 [GP Settings]









Communication Settings [PLC]

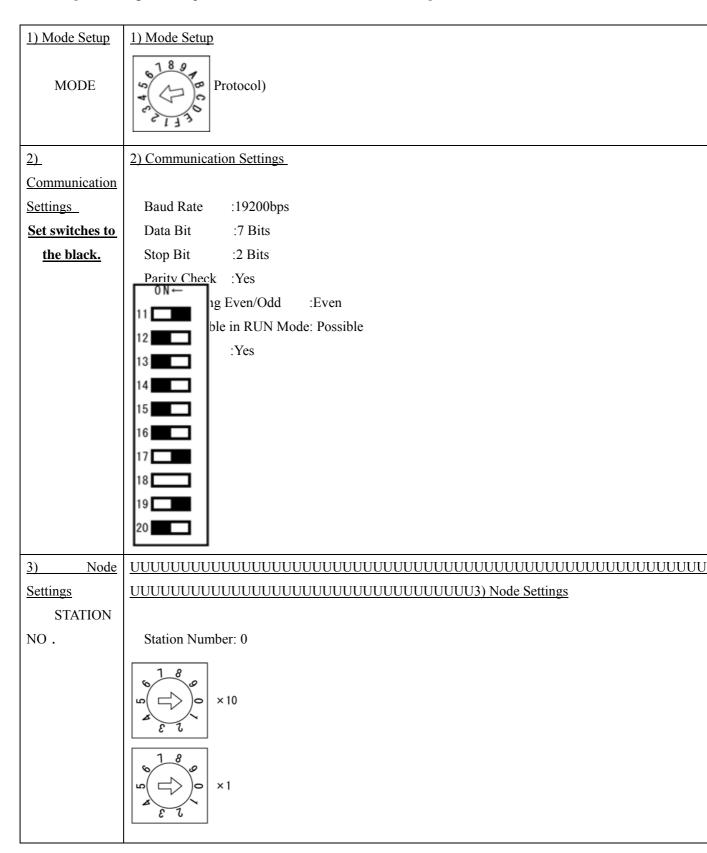
1. RS-232C Connection

1-1 [Connecting via Computer Link Unit A1SJ71C24-R2 / A1SJ71UC24-R2]

1) Mode Setup
4 (Format 4 Protocol)
2) Communication Settings
Baud Rate :19200bps
Data Bit :7 Bits
Stop Bit :2 Bits
Parity Check :Yes
Parity Setting Even/Odd :Even
Write Possible in RUN Mode: Possible
Sum Check :Yes



1-2 [Connecting via Computer Link Unit A2CCPU24 on CPU Unit]





2. RS-422 Connection

2-1 [Connecting via Computer Link Unit A1SJ71C24-R4 / A1SJ71UC24-R4]

1) Mada Catum	1) Mada Satur	
1) Mode Setup	1) Mode Setup	
MODE STATE	8 (Format 4 Protocol)	
2) Communication Settings	2) Communication Settings	
Set switches to the black.		
ON ← O1 来使用 O2 □ □ O3 来使用 O4 □ □ ON ← O5 □ □ O6 □ □ O7 □ □ O8 □ □ O9 □	Baud Rate :19200bps Data Bit :7 Bits Stop Bit :2 Bits Parity Check :Yes Parity Setting Even/Odd :Even Write Possible in RUN Mode: Possible Sum Check :Yes	
3) Node Settings	3) Node Settings	
STATION NO.		
1 8 0 ×10	Station Number: 0	
	<u> </u>	



2-2 [Connecting via Computer Link Unit AOJ2-C214-S1]

2-2 [Connecting via Computer Link Unit AOJ	2 (211 (61)
1) Mode Setup	1) Mode Setup
MODE 189	8 (Format 4 Protocol)
2) Communication Settings	2) Communication Settings
Set switches to the black.	
→0 N 10	Baud Rate :19200bps Data Bit :7 Bits Stop Bit :2 Bits Parity Check :Yes Parity Setting Even/Odd :Even Write Possible in RUN Mode: Possible Sum Check :Yes
3) Node Settings	3) Node Settings
STATION NO.	Station Number: 0





Connection Method

1. RS-232C Connection

Type	Connection Method		Distance
Using GP000-IS02-MS	0	—— -	3m
Creating Cable		1.CD 2.RD 3.SD 4.ER 5.SG 6.DR 7.RS 8.CS FG	Within 15m



* If a communication cable is used, it must be connected to the SG.



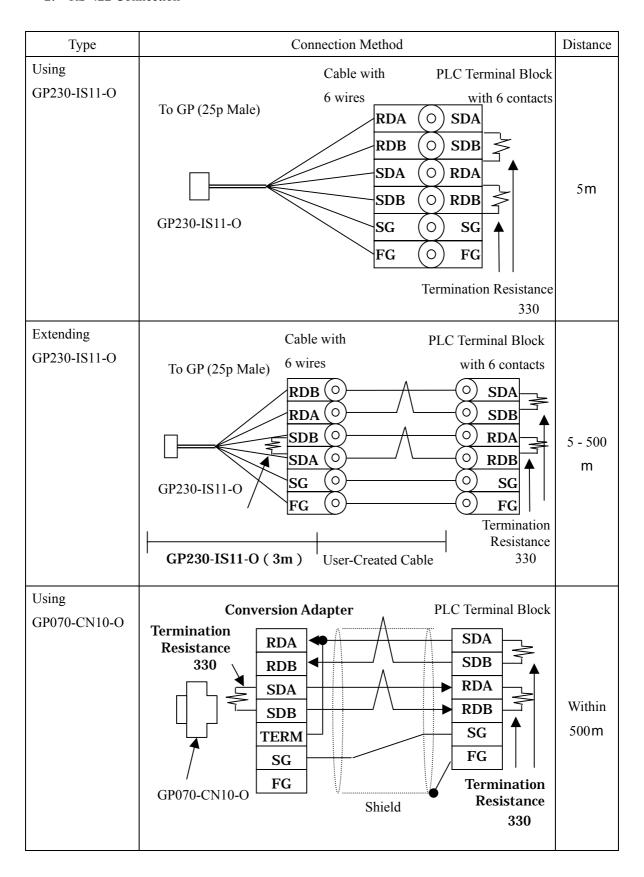
The optional cable, GP000-IS02-MS is 3m long. If you need a longer cable or shorter, please use a User-Created cable to connect.

Recommended Products

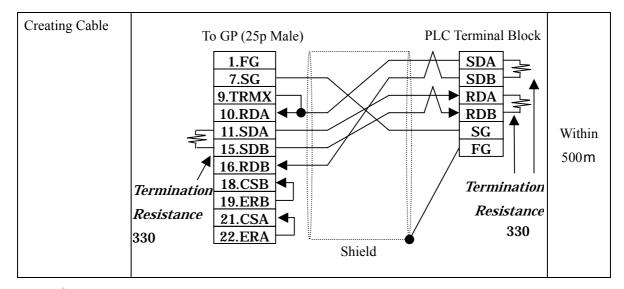
Connecter/Cover for GP	D-sub 25 pin Plug	XM2A-2501 <omron co.=""></omron>
	Cover for D-sub 25 pin	XM2S-2511 <omron co.=""></omron>
	Jack Screw	XM2Z-0071 <omron co.=""></omron>
Cable	CO-MA-VV-SB5P × 28AWG <hitachi cable="" ltd.=""></hitachi>	
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45	



2. RS-422 Connection









- * If a communication cable is used, it must be connected to the SG.
- * Termination resistance when using AJ71UC24

PLC / between SDA and SDB, between RDA and RDB: 330

(with wattage specified on PLC)

GP Unit / as required (Refer to Cable Diagrams): 330

(with wattage specified on PLC)

Recommended Products

Connecter/Cover for GP	D-sub 25 pin Plug	XM2A-2501 <omron co.=""></omron>
loi Gr	Cover for D-sub 25 pin	XM2S-2511 <omron co.=""></omron>
	Jack Screw	XM2Z-0071 <omron co.=""></omron>
Cable	SPEV(SB)-MPC-0.2*3P	<mitsubishi cable="" ind.=""></mitsubishi>
Setscrew	Metric Coarse Screw Tread: M2.6 × 0.45	