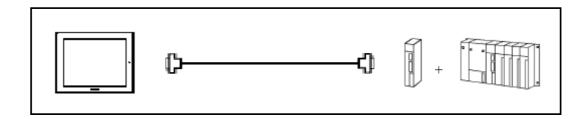


Mitsubishi <10> Mitsubishi Electric Corporation

Q Series (A Mode) + Link Unit Connection

System Structure



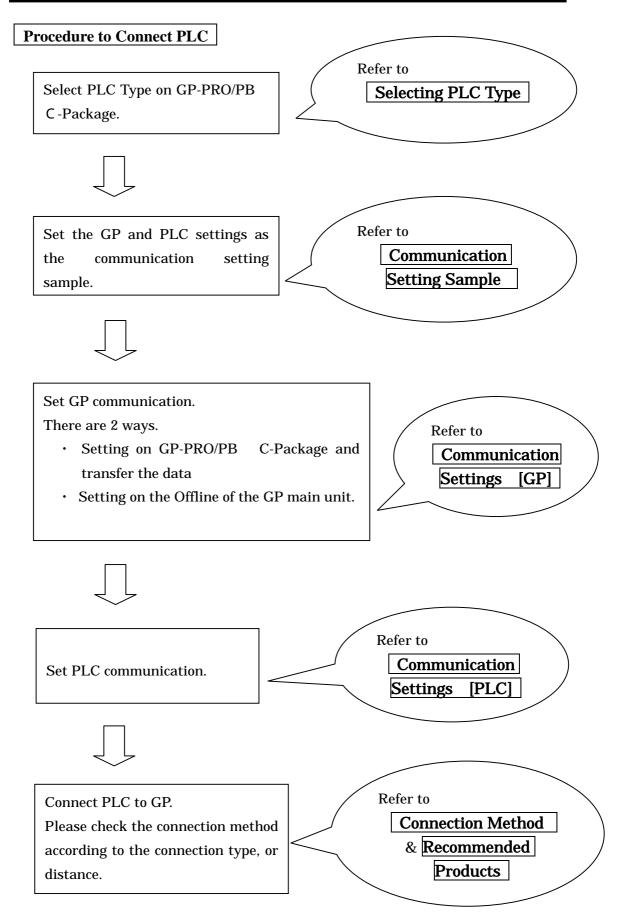
GP

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

PLC

CPU	Computer Link I/F	Communication Method	Connection Cable	GP
Q02-A Q02H-A	A1SJ71UC24-R2	RS-232C	Connection Method [1]	<u> </u>
Q06H-A	A1SJ71UC24-R4	RS-422	Connection Method [2]	







Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.



Communication Setting Sample

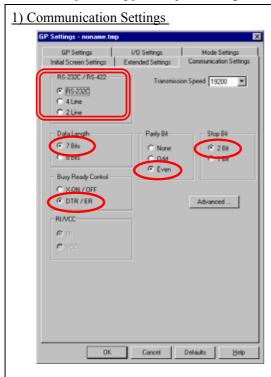
GP Setup		Computer Link Unit Settings	
Baud Rate	19200bps (fixed)	Baud Rate	19200 bps
Data Length	7bits (fixed)	Data Bit	7 bits
Stop Bit	2bits (fixed)	Stop Bit	2 bits
Parity Bit	Even	Parity Check Parity setting even/odd	Yes Even
Data Flow Control	ER Control		
Communication Format (RS- 232C)	RS-232C	Mode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



Communication Settings [GP]

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

Select [GP Setup] on Project Manager.



1) Communication Settings

Transmission Speed: 19200bps

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

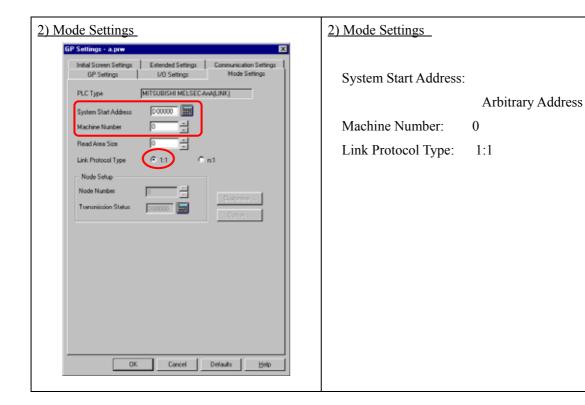
Busy Ready Control: DTR / ER

RS-232C/ RS-422

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

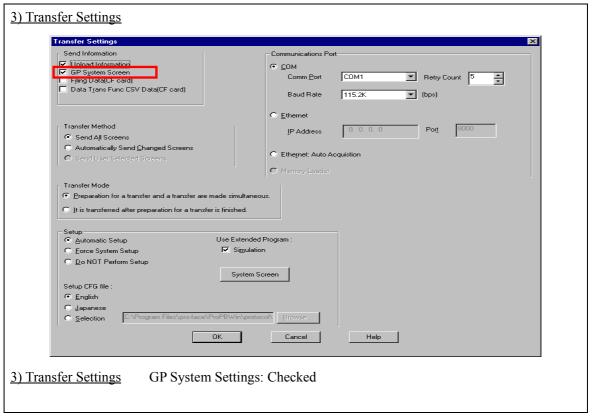
* Select one in _____ depending on the communication method.







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



Transfer to GP after settings completed.

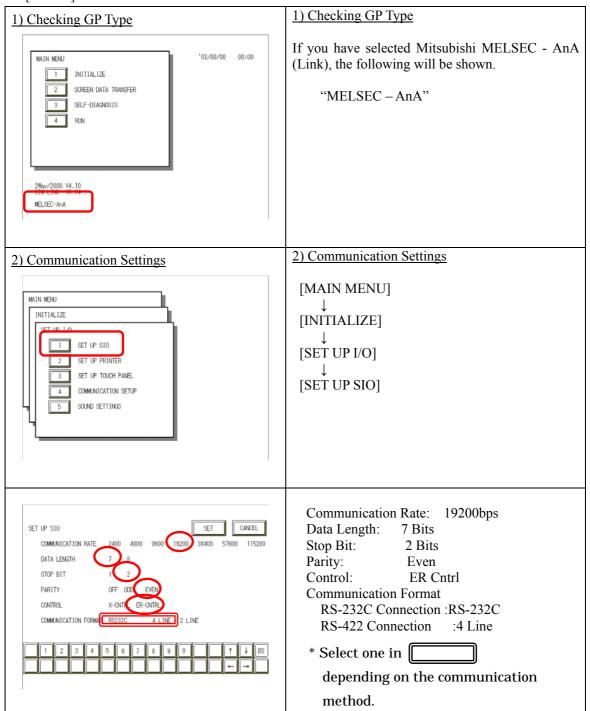


2 [GP Settings]

-Displaying Setting Screen-

Touch the left top of the screen within 10 second after powering on.

Or touch the right top and the right bottom of the screen at the same time. Keep 2 points touched and touch the left bottom. The menu bar will display on the bottom of the screen. Then touch [Offline].





3) Setting up Operation Surroundings MAIN MENU INITIALIZE 1 SYSTEM BAVIROMENT SETUP 2 SET UP L/O 3 PLC SETUP 4 INITIALIZE MEMORY 5 SET UP TIME 8 SET UP SCREEN	3) Setting up Operation Surroundings [MAIN MENU] ↓ [INITIALIZE] ↓ [PLC SETUP] ↓ [PLC SETUP]
SET UP OPERATION SURROUNDINGS VENU 1:1 1 SET UP OPERATION SURROUNDINGS	SET UP OPERATION SURROUNDINGS MENU: 1:1
SET UP OPERATION SURROUNDINGS STARTING ADDRESS OF SYSTEM DATA AREA [0000000] UNIT NO. [0] SYSTEM AREA READING AREA SIZE (0-256) [0] RESET GP ON DATA WRITE ERROR ON OFF	Starting Address of System Data Area: Arbitrary Address Unit No.: 0
1 2 3 4 5 6 7 8 9 0 1 1 V BS	



Communication Settings [PLC]

1 [RS-232C Connection]

[Computer Link Unit A1SJ71UC24-R2]

1) Mode Setup	1) Mode Setup
MODE STATE	4 (Format 4 Protocol)
2) Communication Settings	2) Communication Settings
Set switches to the black.	
0 N ← 03 集使用 04 □ □ 0 N ← 05 □ □ 06 □ □ 07 □ □ 08 □ □ 10 □ □ 11 □ □ 12 □ □	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



2 [RS-422 Connection]

[Connecting via Computer Link Unit A1SJ71UC24-R4]

1) 14 1 0 4	1) 3.6 1 0 4
MODE MODE	1) Mode Setup 8 (Format 4 Protocol)
2) Communication Settings	2) Communication Settings
Set switches to the black.	a, commune et mige
0 N ← 01	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 STATIO	Station Number: 0



Connection Method

[1] RS-232C Connection

Type	Connection Method		Distance
Using GP000-IS02-MS	₽	— (1)	3m
Creating Cable	GP Unit (25p Male) 1.FG 2.SD 3.RD 4.RS 5.CS 6.NC 7.SG 8.CD 20.ER Shiel	PLC (9p Male) 1.CD 2.RD 3.SD 4.ER 5.SG 6.DR 7.RS 8.CS FG	Within 15 m



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



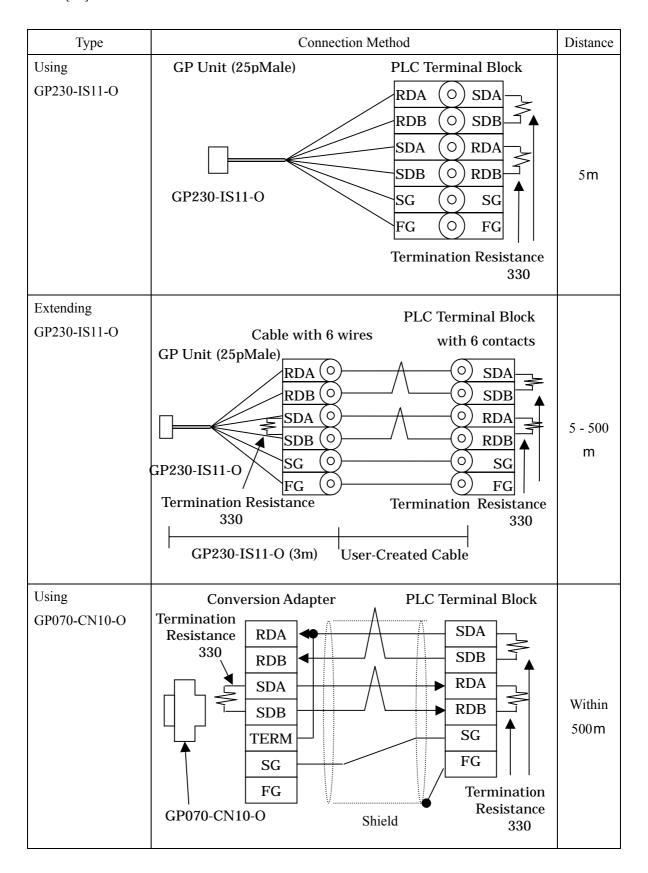
The optional cable, GP000-IS02-MS is 3m long. If you need a longer cable or shorter, please use a User-Created cable to connect.

Recommended Products

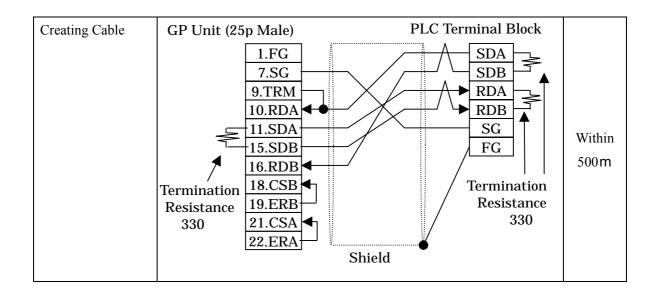
Connecter/Cover for GP	D-sub 25 pin Plug	XM2A-2501 <omron co.=""></omron>
	Cover for D-sub 25 pin	XM2S-2511 <omron co.=""></omron>
	Jack Screw	XM2Z-0071 <omron co.=""></omron>
Cable	CO-MA-VV-SB5P × 28AWG <hitachi cable="" ltd.=""></hitachi>	
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45	



[2] RS-422 Connection









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

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>
	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	