

OMRON Corporation PLC

SYSMAC CV Series Connection

Connection Method

1. RS-232C Connection

[Link I/F on CPU Unit (Host Link Port) / CV500-LK201 (COM Port2)]

Type	Connection Method	Distance
Creating Cable		Within 15m

NOTE

One each of the connector and connector hood, listed below, are included with the CV500 / CV1000 CPU unit. Only these connectors listed below can be used.

Connector XM2A-0901

Connector Hood XM2S-0901

Recommended Products

Connector/Cover for GP	D-sub 25 pin Plug	XM2A-2501	<OMRON Co.>
	Cover for D-sub 25 pin	XM2S-2511	<OMRON Co.>
	Jack Screw	XM2Z-0071	<OMRON Co.>
Cable	CO-MA-VV-SB5P × 28AWG <Hitachi Cable Ltd.>		
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45		

2. RS-422 Communication

[Link I/F on CPU Unit (Host Link Port) / CV500-LK201 (COM Port 2)]

Type	Connection Method	Distance
Using GP230-IS11-O	To GP GP230-IS11-O To PLC (9P)	5m
Using GP070-CN10-O	To GP GP070-CN10-O Termination Resistance 1/4W220Ω Shield To PLC (9P)	Within 500m
Creating Cable	To GP (25P) Termination Resistance 1/4W220Ω Shield To PLC (9P)	Within 500m



- * Set the RS232-C/422 switch on the PLC to RS-422.
- * Turn on the termination resistance switch on the PLC.
- * Names of Signal A and Signal B are opposite on the GP and the PLC.

NOTE

- * One each of the connector and connector hood, listed below, are included with the CV500 / CV1000 CPU unit. Only these connectors listed below can be used.

Connector XM2A-0901

Connector Hood XM2S-0901

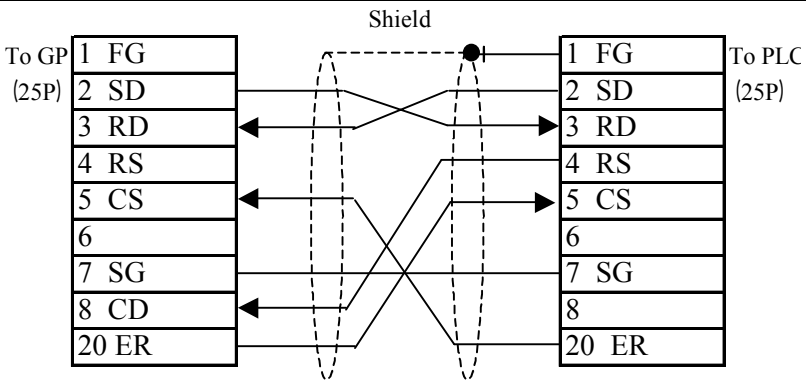
- * When connecting the #9 and #10 pin on the GP Serial I/F, a termination resistance of 100Ω is added between RDA and RDB.

Recommended Products

Connector/Cover for GP	D-sub 25 pin Plug	XM2A-2501	<OMRON Co.>
	Cover for D-sub 25 pin	XM2S-2511	<OMRON Co.>
	Jack Screw	XM2Z-0071	<OMRON Co.>
Cable	H-9293A (CO-HC-ESV-3P*7/0.2) <Hirakawa Hewtech Corp.>		
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45		

3. RS-232C Communication

[CV500-LK201 (COM Port 1)]

Type	Connection Method	Distance
Using GP410-IS00-O		5m
Creating Cable		Within 15m

NOTE

The option cable GP410-IS00-O is 5m long. If you need a longer or shorter cable for connection, please create a cable.

Recommended Products

Connector/Cover for GP	D-sub 25 pin Plug	XM2A-2501 <OMRON Co.>
	Cover for D-sub 25 pin	XM2S-2511 <OMRON Co.>
	Jack Screw	XM2Z-0071 <OMRON Co.>
Cable	H-9293A (CO-HC-ESV-3P*7/0.2) <Hirakawa Hewtech Corp.>	
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45	