

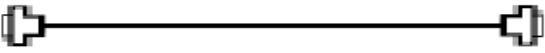
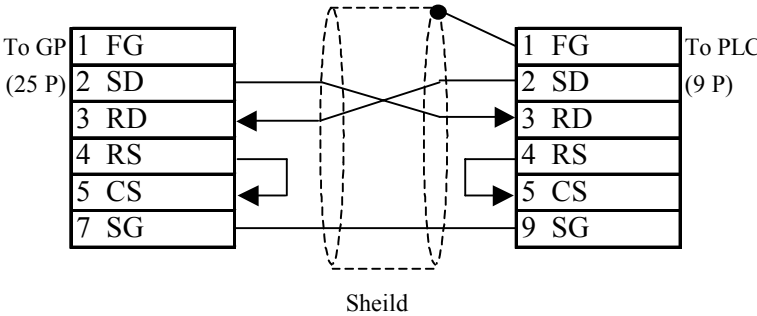
OMRON Corporation PLC

SYSMAC CS1 Series Connection

Connection Method

1. RS-232C Connection

[RS-232C Port on CPU Unit / CS1W-SCU21 / CS1W-SCB21 (COM Port 1, COM Port 2) /
CS1W-SCB41 (COM Port 1)]

Type	Connection Method	Distance
Using GP000-IS03-MS		3m
Using XW2Z-200S or XW2Z-500S by OMRON Corporation		2m 5m
Creating Cable		Within 15m

NOTE

While the above connection diagram differs slightly from the OMRON XW2Z-200S (2m) and XW2Z-500S (5m) RS-232C cables, the system will operate correctly using this design.

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-232C Connection

[Peripheral Port on CPU Unit]

Type	Connection Method	Distance
Using CS1W-CN225 or CS1W-CN625 with Created Cable		Within 15m

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	

3. RS-422 Connection

[CS1W-SCB41 (COM Port 2)]

Type	Connection Method	Distance
Using GP070-CN10-O	To GP GP070-CN10-O Termination Resistance 220Ω To PLC (9P) Shield	Within 500m
Creating Cable	To GP (25P) Termination Resistance 220Ω To PLC (9P) Shield	Within 500m



- * 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

- * When connecting the #9 and #10 pins 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	CO-HC-ESV-3PX7/0.2 <Hirakawa Hewtech Corp.>		
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45		