

Omron CJ1 /CS1 Series PLC

(Supporting OMRON CS/CJ/CP1 /CQM/CV/CVM Series of PLC)

HMI Factory Setting:

Baud rate: 9600, 7, Even, 2 (RS-232)

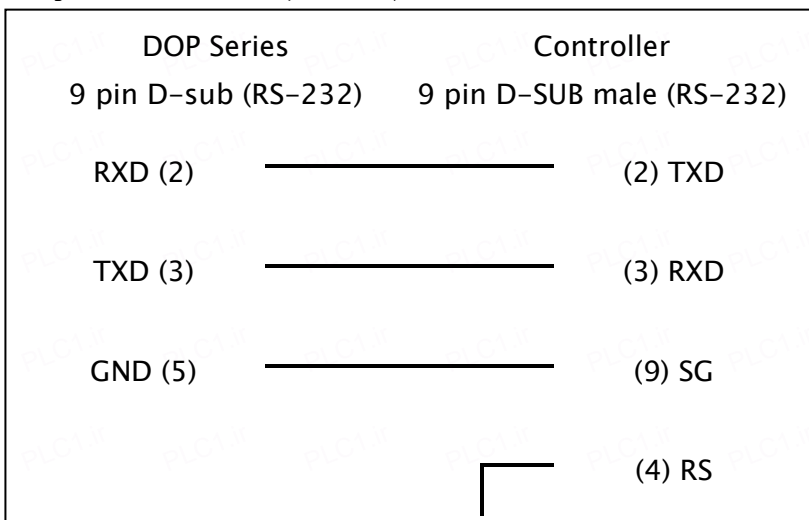
Controller Station Number: 0

Control Area / Status Area: D0 / D10

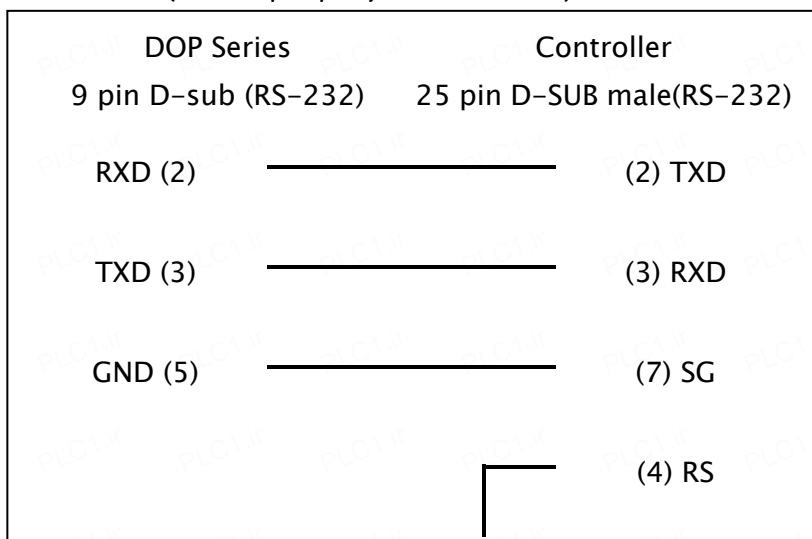
Connection

a. RS-232 (DOP-A/AE/AS, DOP-B Series)

CJIM CPU module (RS-232)



b. RS-232 (DOP-A/AE/AS, DOP-B Series)



c. RS-422 (DOP-A/AE Series)

DOP Series		Controller
9 pin D-SUB male (RS-422)		9 pin D-SUB male (RS-422)
RXD- (1)	—————	(9) TXD-
RXD+ (2)	—————	(5) TXD+
TXD+ (3)	—————	(1) RXD+

d. RS-422 (DOP-AS35/AS38/AS57 Series)

DOP Series		Controller
9 pin D-SUB male (RS-422)		9 pin D-SUB male (RS-422)
R-	—————	(9) TXD-
R+	—————	(5) TXD+
T+	—————	(1) RXD+

e. RS-422 (DOP-B Series)

DOP Series		Controller
9 pin D-SUB male (RS-422)		9 pin D-SUB male (RS-422)
RXD- (9)	—————	(9) TXD-
RXD+ (4)	—————	(5) TXD+
TXD+ (1)	—————	(1) RXD+

Definition of PLC Read/Write Address

a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Bank No.(m) Word No.(n)			
CIO area	CIO _n	CIO0 - CIO9999	Word	
Hold area	H _n	H0 - H1535	Word	
Auxiliary area	A _n	A0 - A11535	Word	1
DM area	D _n	D0 - D65535	Word	
EM area	Em.n	E0.0 - E12.65535	Word	
Timer PVs	T _n	T0 - T9999	Word	
Counter PVs	C _n	C0 - C9999	Word	
Work area	W _n	W0 - W999	Word	
EM Current Bank area	EM _n	EM0 - EM65535	Word	
Index Register	IR _n	IR0 - IR99	Double Word	
DR area	DR _n	DR0 - DR99	Word	
TK area	TK _n	TK0 - TK1022	Byte	Read only, 3

b. Contacts

Type	Format	Read/Write Range	Note
	Bank No.(m) Word No.(n) Bit No.(b)		
CIO area	CIOB _{nbb}	CIOB000 - CIOB999915	
Hold area	HB _{nbb}	HB000 - HB153515	
Auxiliary area	AB _{nbb}	AB000 - AB1153515	2
DM area	DB _{nbb}	DB000 - DB6553515	
EM area	EB _{m.nbb}	EB0.000 - EB12.6553515	
Timer area	TB _b	TB0 - TB9999	Read only
Counter area	CB _b	CB0 - CB9999	Read only
Work area	WB _{nbb}	WB000 - WB99915	
EM Current Bank area	EMB _{nbb}	EMB000 - EMB6553515	
Index Register	IRB _{nbb}	IRB000 - IRB9931	
DR area	DRB _{nbb}	DRB000 - DRB9915	
TK area	TKB _{nbb}	TKB000 - TKB1022.15	Read only, 3

 **NOTE**

- 1) **A0 – A447** are read only.
- 2) **AB000 – AB44715** are read only.
- 3) The address of register TK must be an even number.