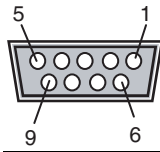


RS-232C Connector



Pin	Abbr.	Signal name	Signal direction
1	FG	Frame Ground	---
2	SD (TXD)	Send Data	Output
3	RD (RXD)	Receive Data	Input
4	RS (RTS)	Request to Send	Output
5	CS (CTS)	Clear to Send	Input
6	5V	Power Supply	---
7	DR (DSR)	Data Set Retry	Input
8	ER (DTR)	Equipment Ready	Output
9	SG (0V)	Signal Ground	---
Connector hood	FG	Frame Ground	---

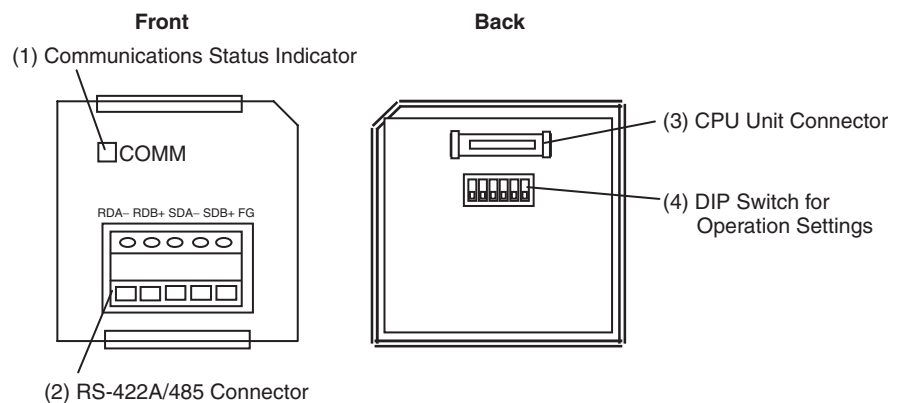
2-1-3 CP1W-CIF11 RS-422A/485 Option Boards

An RS-422A/485 Option Board can be mounted to an Option Board slot on the CPU Unit. With a CPU Unit with 30 or 40 I/O points, either Option Board slot may be used.

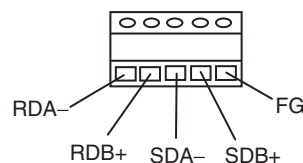
When mounting an Option Board, first remove the slot cover. Grasp both of the cover's up/down lock levers at the same time to unlock the cover, and then pull the cover out.

Then to mount the Option Board, check the alignment and firmly press it in until it snaps into place.

Caution Always turn OFF the power supply to the PLC before mounting or removing an Option Board.

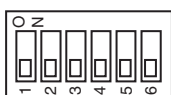


RS-422A/485 Terminal Block



Tighten the terminal block screws to a torque of 0.28 N·m (2.5 Lb In.).

DIP Switch for Operation Settings



Pin	Settings		
	1	ON	ON (both ends)
	OFF	OFF	
2	ON	2-wire	2-wire or 4-wire selection (See note 1.)
	OFF	4-wire	
3	ON	2-wire	2-wire or 4-wire selection (See note 1.)
	OFF	4-wire	
4	---	---	Not used.
5	ON	RS control enabled	RS control selection for RD (See note 2.)
	OFF	RS control disabled (Data always received.)	
6	ON	RS control enabled	RS control selection for SD (See note 3.)
	OFF	RS control disabled (Data always sent.)	

- Note**
- (1) Set both pins 2 and 3 to either ON (2-wire) or OFF (4-wire).
 - (2) To disable the echo-back function, set pin 5 to ON (RS control enabled).
 - (3) When connecting to a device on the N side in a 1 : N connection with the 4-wire method, set pin 6 to ON (RS control enabled).
Also, when connecting by the 2-wire method, set pin 6 to ON (RS control enabled).

2-2 Specifications

2-2-1 CP1L CPU Units

General Specifications

Power supply classification		AC power supply	DC power supply
Model numbers	40 I/O points	CP1L-M40DR-A	CP1L-M40DR-D, CP1L-M40DT-D, or CP1L-M40DT1-D
	30 I/O points	CP1L-M30DR-A	CP1L-M30DR-D, CP1L-M30DT-D, or CP1L-M30DT1-D
	20 I/O points	CP1L-L20DR-A CP1L-J20DR-A	CP1L-L20DR-D, CP1L-L20DT-D, CP1L-L20DT1-D, CP1L-J20DR-D, or CP1L-J20DT1-D
	14 I/O points	CP1L-L14DR-A CP1L-J14DR-A	CP1L-L14DR-D, CP1L-L14DT-D, CP1L-L14DT1-D, CP1L-J14DR-D, or CP1L-J14DT1-D
Power supply		100 to 240 VAC 50/60 Hz	24 VDC
Operating voltage range		85 to 264 VAC	20.4 to 26.4 VDC
Power consumption		50 VA max. (CP1L-M□DR-A) 30 VA max. (CP1L-L□DR-A) 30 VA max. (CP1L-J□DR-A)	See note 3. 20 W max. (CP1L-M□DT□-D) 13 W max. (CP1L-L□DT□-D) 13 W max. (CP1L-J□DT□-D)
Inrush current (See note 1.)		100 to 120 VAC inputs: 20 A max.(for cold start at room temperature.) 8 ms max. 200 to 240 VAC inputs: 40 A max.(for cold start at room temperature.) 8 ms max.	30 A max.(for cold start.) 20 ms max.