

Emerson EC20 Series PLC

HMI Factory Setting:

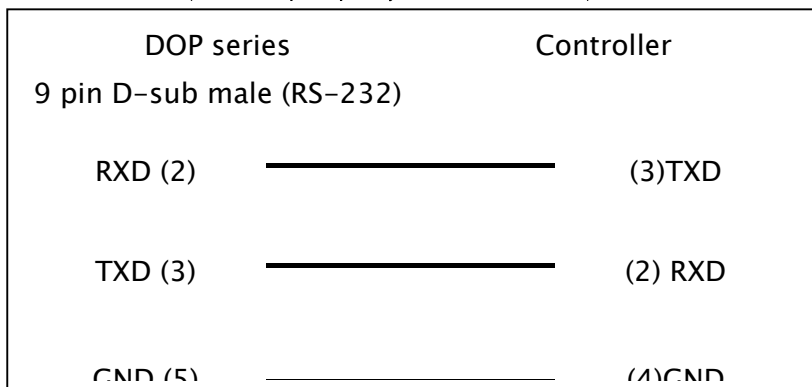
Baud rate: 19200, 8, Even, 1

Controller Station Number: 1

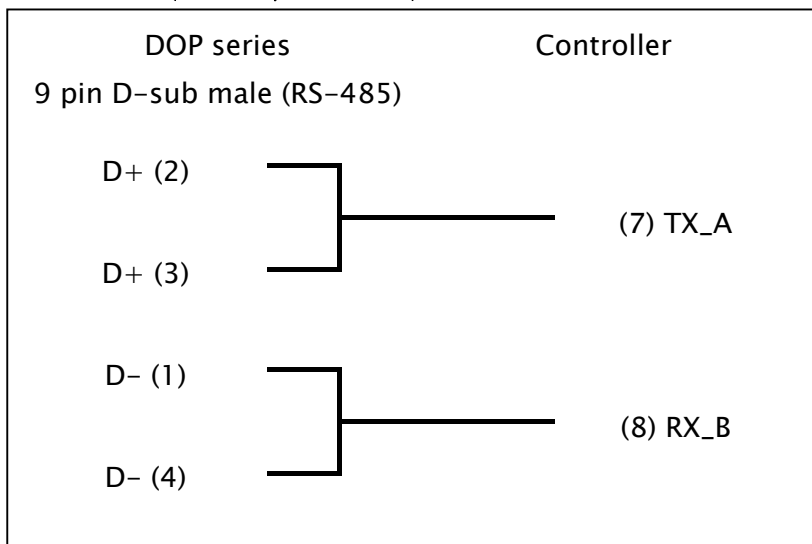
Control Area / Status Area: D0/D10

Connection

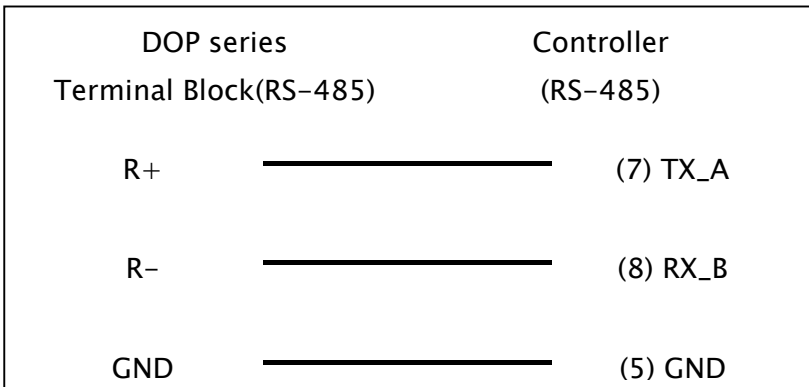
a. RS-232 (DOP-A/AE/AS, DOP-B Series)



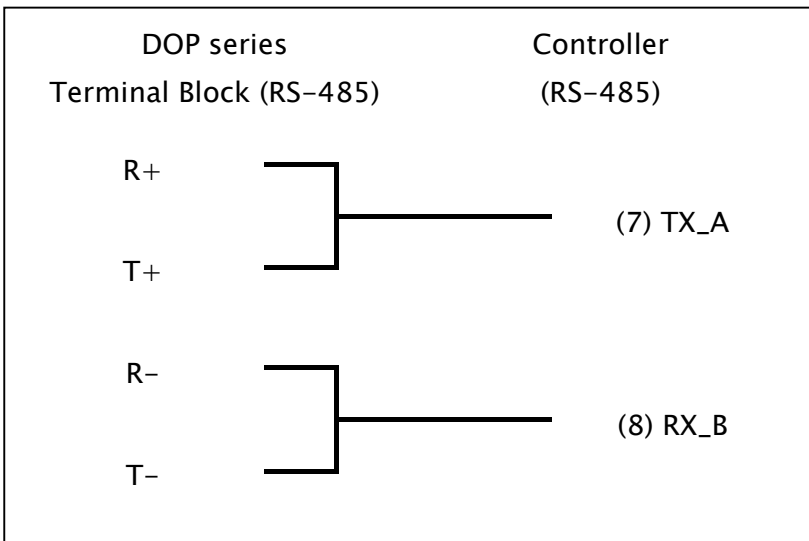
b. RS-485 (DOP-A/AE Series)



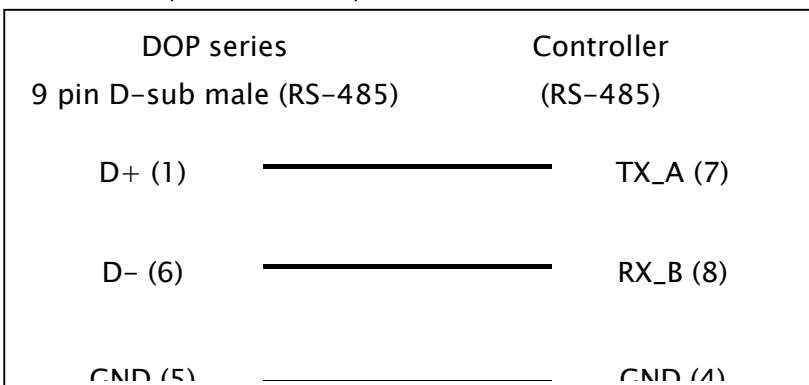
c. RS-485 (DOP-AS57 Series)



d. RS-485 (DOP-AS35/AS38 Series)



e. RS-485 (DOP-B series)



Definition of PLC Read/Write Address

a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Data Word D	Dn	D0 - D7999	Word	
Special Data Word SD	SDn	SD0 - SD255	Word	3
Data Word Z	Zn	Z0 - Z15	Word	
Timer T	Tn	T0 - T255	Word	
Counter C	Cn	C0 - C199	Word	
Double word Counter CDW	CDWn	CDW200 - CDW255	Double Word	
Double word Data Word DDW	DDWn	DDW0 - DDW7998	Double Word	

b. Contacts

Type	Format	Read/Write Range	Note
	Bit No. (b)		
External Output Relay Y	Yb	Y0 - Y377	Octal
External Input Relay X	Xb	X0 - X377	Octal
Internal Relay M	Mb	M0 - M1999	
Special Internal Relay SM	SMb	SM0 - SM255	3
Status Relay S	Sb	S0 - S991	
Timer T	Tb	T0 - T255	
Counter C	Cb	C0 - C255	

 **NOTE**

- 1) Emerson EC20 series PLC has two communication ports, COM0 and COM1. They are provided for the communication protocol for connecting to PC, Modbus communication protocol and user-defined protocol. The default setting is COM0 to be enabled only, so the user needs to set the communication mode as Modbus RTU via PC software before using it.
- 2) COM1 supports RS-232 and RS-485.
- 3) Please note that not all of the addresses can be written when reading SM and SD device. We recommend the user not to set all of the addresses as write address except when setting parameters.