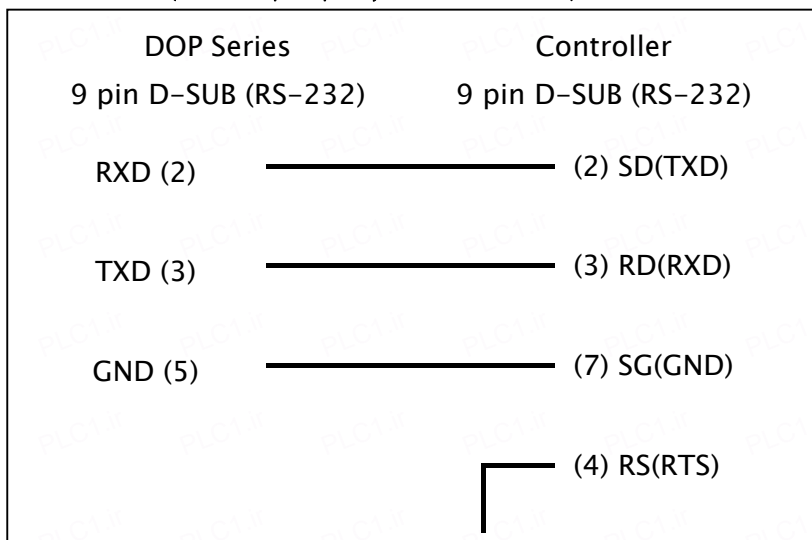## YASKAWA MEMOBUS PLC

HMI Factory Setting:

Baud rate: 19200, 8, Even, 1 (RTU mode)

Controller Station Number: 1 (1)
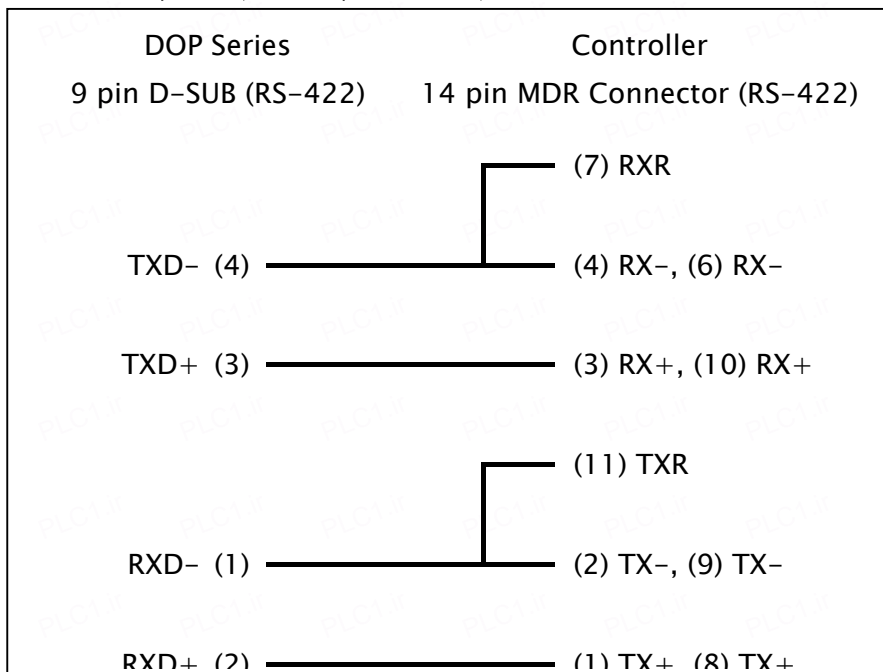
Control Area / Status Area: MW1 / MW10

Connection

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

DOP Series	Controller
9 pin D-SUB (RS-232)	9 pin D-SUB (RS-232)

RXD (2) ——————— (2) SD(TXD)

TXD (3) ——————— (3) RD(RXD)

GND (5) ——————— (7) SG(GND)

(4) RS(RTS)

b. RS-422/485 (DOP-A/AE Series)

DOP Series	Controller
9 pin D-SUB (RS-422)	14 pin MDR Connector (RS-422)

(7) RXR

TXD- (4) ——————— (4) RX-, (6) RX-

TXD+ (3) ——————— (3) RX+, (10) RX+

(11) TXR

RXD- (1) ——————— (2) TX-, (9) TX-

RXD+ (2) ——————— (1) TX+, (8) TX+

c. RS-422/485 (DOP-B Series)

```
        DOP Series                      Controller
   9 pin D-SUB (RS-422)      14 pin MDR Connector (RS-422)

                                  ┌──── (7) RXR
                                  │
   TXD- (6) ──────────────────────┴──── (4) RX-, (6) RX-

   TXD+ (1) ────────────────────────── (3) RX+, (10) RX+

                                  ┌──── (11) TXR
                                  │
   RXD- (9) ──────────────────────┴──── (2) TX-, (9) TX-

   RXD+ (4) ────────────────────────── (1) TX+, (8) TX+
```
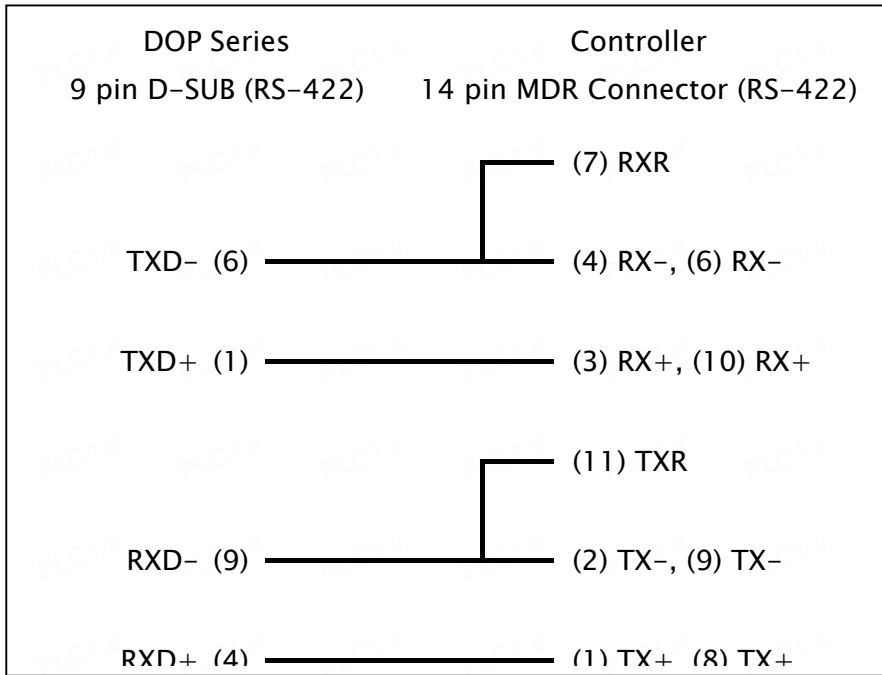
Definition of PLC Read/Write Address

a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No.(n)			
Holding Register	MWn	MW0 – MW65534	Word	
Input Register	IWn	IW0 – IW7FFF	Word	Read Only
Coil	MBn	MB0 – MB4095	Word	
Input Relay	IBn	IB0 – IBFFF	Word	Read Only

b. Contacts

Type	Format	Read/Write Range	Note
	Bit No.(b)		
Coil	MBn.b	MB0.0 – MB4095.F	
Input Relay	IBn.b	IB0.0 – IBFFF.F	Read Only

NOTE

1)   0 is broadcast station number, and valid station number is in the range of 1 to 254.