

Vigor M Series

HMI Factory Setting:

Baud rate: 19200, 7, Even, 1

Controller Station Number: 0 ([Note1](#))

Control Area / Status Area: D0 / D10

Connection

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

PROGRAMMER PORT

| DOP Series | | Controller |
|----------------------|-------|----------------------|
| 9 pin D-SUB (RS-232) | | USB TAPE A Connector |
| RXD (2) | ————— | (3) TXD |
| TXD (3) | ————— | (2) RXD |

COM PORT

| DOP Series | | Controller |
|----------------------|-------|-----------------------------|
| 9 pin D-SUB (RS-232) | | 9 pin D-SUB female (RS-232) |
| RXD (2) | ————— | (3) TXD |
| TXD (3) | ————— | (2) RXD |

Definition of PLC Read/Write Address

a. Registers

| Type | Format | Read/Write Range | Data Length | Note |
|--------------|-------------|------------------|-------------|-------------------------------------|
| | Word No.(n) | | | |
| Input Relay | Xn | X0 - X770 | Word | Multiple of 8, 2 |
| Output Relay | Yn | Y0 - Y770 | Word | Multiple of 8, 2 |

| Type | Format | Read/Write Range | Data Length | Note |
|------------------------------|-------------|------------------|-------------|-------------------|
| | Word No.(n) | | | |
| Auxiliary Relay | Mn | M0 - M5112 | Word | 2 |
| Special Relay | Mn | M9000 - M9248 | Word | 3 |
| Step Relay | Sn | S0 - S992 | Word | 2 |
| Timer Present Value | Tn | T0 - T255 | Word | |
| 16-bit Counter Present Value | Cn | C0 - C199 | Word | |
| 32-bit Counter Present Value | Cn | C200 - C255 | Word | |
| Data Register | Dn | D0 - D8191 | Word | |
| Special Data Register | Dn | D9000 - D9255 | Word | |

b. Contacts

| Type | Format | Read/Write Range | Note |
|-----------------|------------|------------------|-------|
| | Bit No.(b) | | |
| Input Relay | Xb | X0 - X777 | Octal |
| Output Relay | Yb | Y0 - Y777 | Octal |
| Auxiliary Relay | Mb | M0 - M5119 | |
| Special Relay | Mb | M9000 - M9255 | |
| Step Relay | Sb | S0 - S999 | |
| Timer Contact | Tb | T0 - T255 | |
| Counter Contact | Cb | C0 - C255 | |
| Timer Coil | TCb | TC0 - TC255 | |
| Counter Coil | CCb | CC0 - CC255 | |

 **NOTE**

- 1) Controller Station Number :
0: PROGRAMMER PORT, 1: COM PORT
- 2) The device address must be the multiple of 8.
- 3) The device address must be 9000 plus the multiple of 8.

- 4) VB Series is suitable for this driver.