

## Panasonic FP PLC

### HMI Factory Setting:

Baud rate: 9600, 8, Odd, 1

Controller Station Number: 238([Note 1](#))

Control Area / Status Area: DT0 / DT10

### Connection

#### a. RS-232 for FP0 (DOP-A/AE/AS, DOP-B Series)

DOP Series		Controller
9 pin D-SUB (RS-232)		5 pin Mini DIN male(RS-232 for FP0)
RXD (2)	—————	(2) TXD
TXD (3)	—————	(3) RXD
GND (5)	—————	(1) SG

#### b. RS-232 for FP1 (DOP-A/AE/AS, DOP-B Series)

DOP Series		Controller
9 pin D-SUB (RS-232)		9 pin D-SUB male(RS-232 for FP1)
RXD- (2)	—————	(2) TXD
RXD+ (3)	—————	(3) RXD
TXD+ (5)	—————	(7) GND
	┌	(4) RTS
	└	(5) CTS

## Definition of PLC Read/Write Address

### a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Internal Relay	WRn	WR0 – WR886, WR900 – WR911	Word	
Special Internal Relay				
Link Relay	WLn	WL0 – WL639	Word	
External Input Relay	WXn	WX0 – WX511	Word	
External Output Relay	WYn	WY0 – WY511	Word	
Timer/Counter P.V.	EVn	EV0 – EV3071	Word	
Timer/Counter S.V.	SVn	SV0 – SV3071	Word	
Data Register	DTn	DT0 – DT32764	Word	
Link Data Register	LDn	LD0 – LD8447	Word	
File Register	FLn	FL0 – FL32764	Word	
Speical Data Register	DT9_n	DT9_0 – DT9_511	Word	<a href="#">2</a>

### b. Contacts

Type	Format	Read/Write Range	Note
	Word No. (n) Bit No. (b)		
Internal Relay	Rnb	Rn00 – Rn886F	
Special Internal Relay	Rnb	Rn9000 – Rn911F	
Link Relay	Lnb	Ln00 – Ln639F	
External Input Relay	Xnb	Xn00 – Xn511F	
External Output Relay	Ynb	Yn00 – Yn511F	
Timer Flag Contact	Tb	T0 – T3071	
Counter Flag Contact	Cb	C0 – C3071	

### NOTE

- 1) PLC default setting is 238. It supports the external device connections of all station number. To change the setting, PLC supports station number range from 0 to 99. For more detail on PLC station number, please refer to PLC user manual.
- 2) Special data register (DT9\_n) is applicable to FP0 T32C, FP2, FP2SH, FP10SH modules. The actual transmitted address of DT9\_n is DT 90000 + n.  
For example, the actual transmitted address of DT9\_0 is DT90001, the actual transmitted address of DT9\_1 is DT90001, the actual transmitted address of DT9\_2 is DT90002 and so on.