

Koyo K-Sequence

HMI Factory Setting:

Baud rate: 9600. 8. Odd. 1(RS-232)

Controller Station Number: 1

Control Area / Status Area: R1400/R1420

Connection

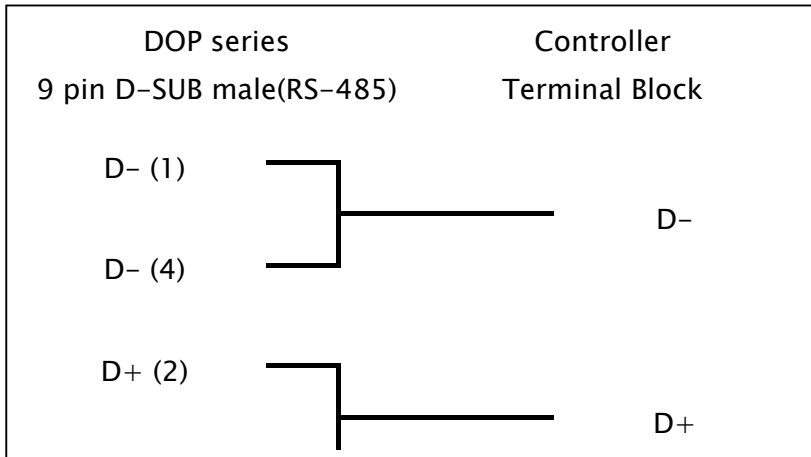
a. RS-232 (DOP-A/AE/AS, DOP-B Series) Port 0 communication line

DOP series		Controller	
9 pin D-SUB (RS-232)		RJ-11 (RS-232)	
RXD (2)	—————	(4) TXD	
TXD (3)	—————	(3) RXD	
GND (5)	—————	(1) GND	

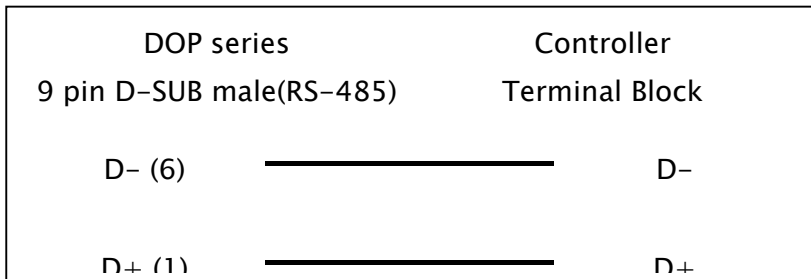
b. RS-232 (DOP-A/AE/AS, DOP-Series)

DOP series		Controller	
9 pin D-SUB (RS-232)		RJ-11 (RS-232)	
RXD (2)	—————	(3) TXD	
TXD (3)	—————	(2) RXD	

c. RS-485 (DOP-A/AE Series) Port1 communication line



d. RS-485 (DOP-B Series) Port1 communication line



Definition of PLC Read/Write Address

a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Input Status	Xn	X0 - X1760	Word	Octal, 2
Output Status	Yn	Y0 - Y1760	Word	Octal, 2
Link Relays	GXn	GX0 - GX3760	Word	Octal, 2
Relays	GQn	GQ0 - GQ3760	Word	Octal, 2
Relays	Mn	M0 - M3760	Word	Octal, 2
Stage	Sn	S0 - S1760	Word	Octal, 2
Timer Status	Tn	T0 - T360	Word	Octal, 2
Control Relays	Cn	C0 - C360	Word	Octal, 2
Special Relay 1	SPn	SP0 - SP760	Word	Octal, 2
Register	Rn	R0 - R41237	Word	Octal
Register	Pn	P0 - P37777	Word	Octal

b. Contacts

Type	Format	Read/Write Range	Note
	Bit No. (b)		
Input Status	Xb	X0 - X1777	Octal
Output Status	Yb	Y0 - Y1777	Octal
Link Relays	GXb	GX0 - GX3777	Octal
Relays	GQb	GQ0 - GQ3777	Octal
Control Relays	Mb	M0 - M3777	Octal
Stage	Sb	S0 - S1777	Octal
Timer Status	Tb	T0 - T377	Octal
Counter Status	Cb	C0 - C377	Octal
Special Relay 1	SPb	SP0 - SP777	Octal

 **NOTE**

- 1) When read & write action exceed valid address range, HMI will show an error message “....Error 6..... Command Can Not be Executed....”
- 2) Device address must be the multiple of 16.
- 3) If using SM-24R series PLC, pin6 must be grounded (GND).
- 4) The correspondence relationship of address between CCM2 communication protocol and the register of K-Sequence communication protocol.

CCM2	K sequence	SN32DRA
V	R	R
X	X	I
Y	Y	Q
C	M	M
S	S	S
T	T	T
CT	C	C
SP	SP	SP