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

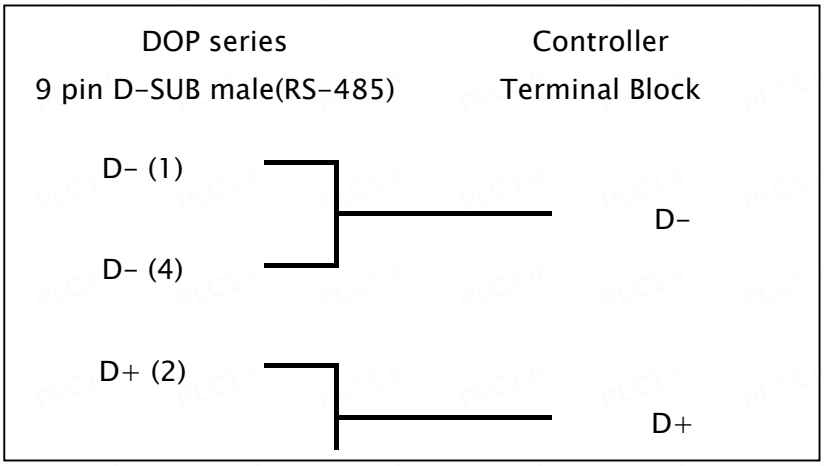
a. RS-232 (DOP-A/AE/AS, DOP-B Series) Port 0 communication line

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

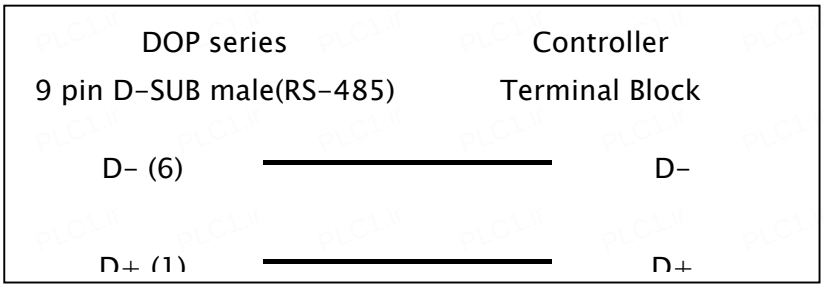
b. RS-232 (DOP-A/AE/AS, DOP-Series)

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