MKS MC700/720 Motion Controller

HMI Factory Setting:

Baud rate: 9600, 7, Even, 1

Controller Station Number: 11(Note1)
Control Area / Status Area: None / None

Connection

a. RS-232 (DOP-A/AE/AS, DOP-B Series) (Note2)

DOP Series	Controller		PLU
9 pin D-sub male (RS-232)			
RXD (2)	PLC1.ii	TXD(3)	
TXD (3)	PLC1.II	RXD(2)	

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

	<u> </u>			
DOP Se	ries	Cor	ntroller	
9 pin D-sub male (RS-422) 9 pin D-sub male (RS-422)				
RXD- (1)	, ii <u>6</u> 1.01.ii	0/C1.11	T- (7)	
RXD+ (2)	ir _{PLC1.ir}	PLC1.ii	T+ (8)	
TXD+ (3)	ii _{BLC1.ii}	PLC1. ³¹	R+ (6)	
-v C^1.it				

c. RS-422 (DOP-AS35/AS38/AS57 Series)

DOP Series Controller
9 pin D-sub male (RS-422) 9 pin D-sub male (RS-422)

R- T- (7)

R+ T+ (8)

T+ (6)

d. RS-422 (DOP-B Series)

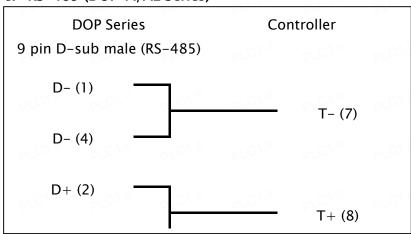
DOP Series Controller
9 pin D-sub male (RS-422) 9 pin D-sub male (RS-422)

RXD- (9) T- (7)

RXD+ (4) T+ (8)

TXD+ (1) R+ (6)

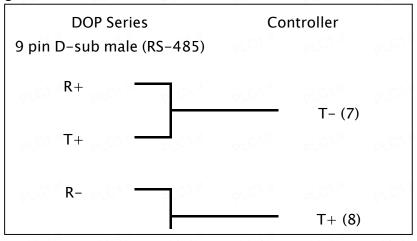
e. RS-485 (DOP-A/AE Series)



f. RS-485 (DOP-AS57 Series)

DOP Series	Controller	PLC1.
9 pin D-sub male (RS-485)		
R-	T- (7)	
R+	T+ (8)	PLC1:

g. RS-485 (DOP-AS35/AS38 Series)



h. RS-485 (DOP-B Series)

DOP Series 9 pin D-sub male (RS-485)	Controller	PLC1
D-(6)	T- (7)	PLC1:
D+(1)	T+ (8)	PLC13

Definition of PLC Read/Write Address

a. Registers

	Format	Dood (Muito Domas	Data Langth	LG/. ⁾⁽
Type	Word No.(n)	Read/Write Range	Data Length	Note
General Parameters	GP n	GP 0 - GP 31	Double Word	/C1://
Parameter Block for Slave 1	PB1_n	PB1_ 0 - PB1_ 31	Double Word	
Parameter Block for Slave 2	PB2_n	PB2_ 0 - PB2_ 31	Double Word	⁷ C _{4:11}
Parameter Block for Slave 3	PB3_n	PB3_ 0 - PB3_ 31	Double Word	
Parameter Block for Slave 4	PB4 _n	PB4_ 0 - PB4_ 31	Double Word	/C/://

Туре	Format Word No.(n)	Read/Write Range	Data Length	Note
Process Data	PROD n	PROD0 - PROD31	Double Word	~ \
Communication Settings	CSETn	CSET0 - CSET31	Double Word	
Setup Settings	STUP n	STUP0 - STUP31	Double Word	~ \
Status of Commands and	S_COn	S_CO0 - S_CO4	Double Word	
Outputs	77.70	71.40	~ 4 N	~ 1 N

b. Contacts

Provin Provin Prov	Format	breviii breviii breviii breviii	Ercy.M
Туре	Word No.(n) Bit No.(b)	Read/Write Range	Note
Commands	CMD b	CMD0 - CMD31	
Outputs	OUT b	OUT 0 - OUT 31	E/C///
Status of Commands and Outputs	S_COn.b	S_CO0.0 - S_CO4.31	FLC1.ii

NOTE

- 1) The valid station number is in the range of 11 to 99. The station number 20, 30, 40, 50, 60, 70, 80, 90 are broadcast station number.
 - 00 for all broadcast
 - 10 for broadcast range from 11 to 19
 - 20 for broadcast range from 21 to 29
 - ... and so on

The broadcast function is not yet available, therefore do not use broadcast station number.

2) Please be aware RS-232 can only be connected to pin2, pin3 and pin5. Pin 9 is for +5V. DO NOT use pin 9 or serious damage may occur.