

## Allen-Bradley SLC5

### HMI Factory Setting:

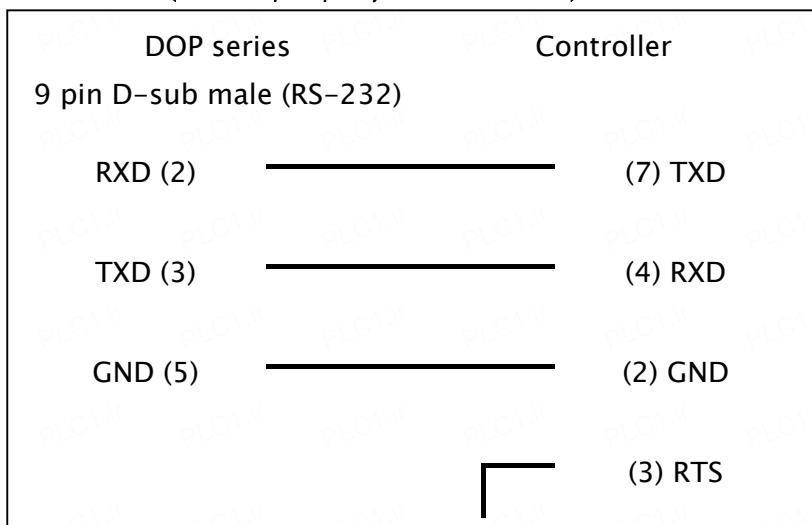
Baud rate: 19200. 8. None. 1

Controller Station Number: 1

Control Area / Status Area: B3:0/B3:10

### Connection

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



### Definition of PLC Read/Write Address

#### a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n) Slot No. (s) File No. (f)			
Output file	O:n	O:0 - O:255 (s = 0, f = 0)	Word	
	O:s.n	O:0.0 - O:255.255 (f = 0)		
Input file	I:n	I:0 - I:255 (s = 0, f = 1)	Word	
	I:s.n	I:0.0 - I:255.255 (f = 1)		
Status file	S2:n	S2:0 - S2:255 (f = 2)	Word	
Bit file	Bf:n	B3:0 - B3:255, B9:0 - B255:255	Word	
Timer flag	Tf:n	T4:0 - T4:255, T9:0 - T255:255	Word	

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n) Slot No. (s) File No. (f)			
Timer Preset Value	Tf:n.PRE	T4:0.PRE – T4:255.PRE, T9:0.PRE – T255:255.PRE	Word	
Timer Accumulator Value	Tf:n.ACC	T4:0.ACC – T4:255.ACC, T9:0.ACC – T255:255.ACC		
Counter flag	Cf:n	C5:0 – C5:255, C9:0 – C255:255	Word	
Counter Preset Value	Cf:n.PRE	C5:0.PRE – C5:255.PRE, C9:0.PRE – C255:255.PRE		
Counter Accumulator Value	Cf:n.ACC	C5:0.ACC – C5:255.ACC, C9:0.ACC – C255:255.ACC		
Control file	Rf:n	R6:0 – R6:255, R9:0 – R255:255	Word	
Control Size of Bit Array	Rf:n.LEN	R6:0.LEN – R6:255.LEN, R9:0.LEN – R255:255.LEN		
Control Reserved file	Rf:n.POS	R6:0.POS – R6:255.POS, R9:0.POS – R255:255.POS		
Integer file	Nf:n	N7:0 – N7:255, N9:0 – N255:255	Word	
Floating Point file	Ff:n	F8:0 – F8:255, F9:0 – F255:255	Double Word	
String File	STf:n	ST9:0 – ST255:255	41 Words	
Long Word File	Lf:n	L9:0 – L255:255	Double Word	

**b. Contacts**

Type	Format	Read/Write Range	Note
	Word No. (n) Slot No. (s) File No. (f) Bit No. (b)		
Output	O:n/b	O:0/0 – O:255/15 (s = 0, f = 0)	
	O:s.n/b	O:0.0/0 – O:255.255/15 (f = 0)	
Input	I:n/b	I:0/0 – I:255/15 (s = 0, f = 1)	
	I:s.n/b	I:0.0/0 – I:255.255/15 (f = 1)	

Status	S2:n/b	S2:0/0 - S2:255/15 (f = 2)	
Bit	Bf:n/b	B3:0/0 - B3:255/15, B9:0/0 - B255:255/15	

Type	Format	Read/Write Range	Note
	Word No. (n) Slot No. (s) File No. (f) Bit No. (b)		
Timer	Tf:n/TT	T4:0/TT - T4:255/TT, (b = 14) T9:0/TT - T255:255/TT (b = 14)	
	Tf:n/DN	T4:0/TT - T4:255/TT, (b = 13) T9:0/TT - T255:255/TT (b = 13)	
Timer Preset Value	Tf:n.PRE/b	T4:0.PRE/0 - T4:255.PRE/15, T9:0.PRE/0 - T255:255.PRE/15	
Timer Accumulator Value	Tf:n.ACC/b	T4:0.ACC/0 - T4:255.ACC/15, T9:0.ACC/0 - T255:255.ACC/15	
Counter flag	Cf:n/b	C5:0/0 - C5:255/15, C9:0/0 - C255:255/15	
	Cf:n/CU	C5:0/CU - C5:255/CU, (b = 15) C9:0/CU - C255:255/CU (b = 15)	
	Cf:n/CD	C5:0/CD - C5:255/CD, (b = 14) C9:0/CD - C255:255/CD (b = 14)	
	Cf:n/DN	C5:0/DN - C5:255/DN, (b = 13) C9:0/DN - C255:255/DN (b = 13)	
	Cf:n/OV	C5:0/OV - C5:255/OV, (b = 12) C9:0/OV - C255:255/OV (b = 12)	
	Cf:n/UN	C5:0/UN - C5:255/UN, (b = 11) C9:0/UN - C255:255/UN (b = 11)	
	Cf:n/UA	C5:0/UA - C5:255/UA, (b = 10) C9:0/UA - C255:255/UA (b = 10)	
Counter	Cf:n.PRE/b	C5:0.PRE/0 - C5:255.PRE/15, C9:0.PRE/0 - C255:255.PRE/15	
Counter Accumulator Value	Cf:n.ACC/b	C5:0.PRE/0 - C5:255.PRE/15, C9:0.PRE/0 - C255:255.PRE/15	

Control	Rf:n/b	R6:0/0 – R6:255/15, R9:0/0 – R255:255/15	
	Rf:n/EN	R6:0/EN – R6:255/EN, (b = 15) R9:0/EN – R255:255/EN (b = 15)	
	Rf:n/EU	R6:0/EU – R6:255/EU, (b = 14) R9:0/EU – R255:255/EU (b = 14)	
	Rf:n/DN	R6:0/DN – R6:255/DN, (b = 13) R9:0/DN – R255:255/DN (b = 13)	

Type	Format	Read/Write Range	Note
	Word No. (n) Slot No. (s) File No. (f) Bit No. (b)		
Control	Rf:n/EM	R6:0/EM – R6:255/EM, (b = 12) R9:0/EM – R255:255/EM (b = 12)	
	Rf:n/ER	R6:0/ER – R6:255/ER, (b = 11) R9:0/ER – R255:255/ER (b = 11)	
	Rf:n/UL	R6:0/UL – R6:255/UL, (b = 10) R9:0/UL – R255:255/UL (b = 10)	
	Rf:n/IN	R6:0/IN – R6:255/IN, (b = 9) R9:0/IN – R255:255/IN (b = 9)	
	Rf:n/FD	R6:0/FD – R6:255/FD, (b = 8) R9:0/FD – R255:255/FD (b = 8)	
Control size of bit array	Rf:n.LEN/b	R6:0.LEN/0 – R6:255.LEN/15, R9:0.LEN/0 – R255:255.LEN/15	
Control Reserved	Rf:n.POS/b	R6:0.POS/0 – R6:255.POS/15, R9:0.POS/0 – R255:255.POS/15	
Integer	Nf:n/b	N7:0/0 – N7:255/15, N9:0/0 – N255:255/15	
Long Word File	Lf:n/b	L9:0/0 – L255:255/31	

 **NOTE**

- 1) This protocol only supports CRC Error Check.