

YASKAWA SMC 3010

Supported Series: YASKAWA SMC Series Servo Motor Controller.

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	YASKAWA SMC 3010		
PLC I/F	RS232		
Baud rate	19200	9600, 19200	
Data bits	8		
Parity	None		
Stop bits	1		

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	AF	D	0 ~ 1	
B	BN	D	0 ~ 1	Write only
B	BP	D	0 ~ 1	Write only
B	BV	D	0 ~ 1	Write only
B	CB	DDDD	0 ~ 9999	Write only
B	CM	D	0 ~ 1	Read only
B	DV	D	0 ~ 1	
B	EB	D	0 ~ 1	
B	OE	D	0 ~ 1	
B	RS	D	0 ~ 1	Write only
B	ST	D	0 ~ 1	Write only
B	TB	Do	0 ~ 17	Read only
B	V_Bit	DDDdd	0 ~ 99931	*2
B	D_arr_Bit	DDDdd	0 ~ 99931	
DW	AC	D	0 ~ 4	
DW	DC	D	0 ~ 4	
DW	BL	D	0 ~ 4	
W	CD	D	0 ~ 2	Write only
W	CE	D	0 ~ 2	
DW	DE	D	0 ~ 4	
DW	DP	D	0 ~ 4	

Bit/Word	Device type	Format	Range	Memo
W	DT	D	0 ~ 2	
W	EC	D	0 ~ 2	
DW	EM	D	0 ~ 4	
W	ER	D	0 ~ 2	
W	FA	D	0 ~ 2	
DW	FL	D	0 ~ 4	
W	FV	D	0 ~ 2	
DW	GR	D	0 ~ 4	32 bit float
DW	JG	D	0 ~ 4	
DW	MM	D	0 ~ 4	
W	MT	D	0 ~ 2	
W	NA	D	0 ~ 2	
W	OP	D	0 ~ 2	
DW	PA	D	0 ~ 4	Write only
DW	PR	D	0 ~ 4	
DW	SP	D	0 ~ 4	
W	TC	D	0 ~ 2	Read only
W	TM	D	0 ~ 2	
W	TW	D	0 ~ 2	
DW	VA	D	0 ~ 4	
DW	VD	D	0 ~ 4	
DW	VS	D	0 ~ 4	
DW	IL	D	0 ~ 4	32 bit float
DW	IT	D	0 ~ 4	32 bit float
DW	KD	D	0 ~ 4	32 bit float
DW	KI	D	0 ~ 4	32 bit float
DW	KP	D	0 ~ 4	32 bit float
DW	OF	D	0 ~ 4	32 bit float
DW	TL	D	0 ~ 4	32 bit float
DW	VR	D	0 ~ 4	32 bit float
DW	VT	D	0 ~ 4	32 bit float
DW	PF	D	0 ~ 4	32 bit float *1
DW	VF	D	0 ~ 4	32 bit float
DW	V	DDD	0 ~ 999	*2
DW	F	DDD	0 ~ 999	32 bit float *2
W	D_array	DDD	0 ~ 999	
DW	R_array	DDD	0 ~ 999	32 bit float

Note:

*1 PF is the communication parameter of SMC_3010, the default is 10.4, if the value is not 10.4, all values will be displayed incorrectly.

*2 User defined integer variable V000~V999, floating point variable F000~F999.

Wiring Diagram:

Diagram 1

RS-232

The serial port pin assignments may vary between HMI models, please click the following link for more information.

