

YASKAWA SMC 3010

YASKAWA SMC Series Servo Motor Controller

HMI Setting:

Parameters	Recommend	Option	Notes
Device type	YASKAWA SMC 3010		
Com port	RS232		
Baud rate	19200	9600, 19200	
Parity bit	None		
Data Bits	8		
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	d(o)	0 ~ 1, (o): Bit no. (0~7)	Read only
B	V_bit	DDDdd	DDD:0~999, dd:0~31	*2
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	
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	

Bit/Word	Device Type	Format	Range	Memo
DW	GR	d	0 ~ 4	
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	
DW	IT	d	0 ~ 4	
DW	KD	d	0 ~ 4	
DW	KI	d	0 ~ 4	
DW	KP	d	0 ~ 4	
DW	OF	d	0 ~ 4	
DW	TL	d	0 ~ 4	
DW	VR	d	0 ~ 4	
DW	VT	d	0 ~ 4	
DW	PF	d	0 ~ 4	*1
DW	VF	d	0 ~ 4	
DW	V	DDD	0 ~ 999	*2
F	F	DDD	0 ~ 999	*2
DW	D_array	DDD	0 ~ 999	
F	R_array	DDD	0 ~ 999	

Note:

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

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

Wiring diagram:

MT8000 RS232
9P D-SUB

COM1	COM2	COM3
3 TX	4 TX	7 TX
2 RX	6 RX	8 RX
5 GND	5 GND	5 GND

SMC3010 CN6
RS232
9 pin male D-sub

3	RXD
2	TXD
5	GND
7	RTS
8	CTS

Driver Version:

Version	Date	Description of Changes
V1.2.0	Feb/10/2010	