



Techsys
Corporation

GWi ABB400 SERIES VFD SETTINGS

Parameters	DESCRIPTION	ABB DEFAULT	GWi Setup	COMMISIONING DATA		
				//	//	//
Group 99	START-UP DATA					
9902	applic macro	6 (PID CTRL)	PID CONTROL			
9905	motor nom volt	230/400 V *)	415			
9906	motor nom curr	IN **)	Motor Nameplate			
9907	motor nom freq	50 Hz	50 Hz			
9908	motor nom speed	1440 rpm	Motor Nameplate			
9909	motor nom power	2-30 Kw ***)	Motor Nameplate			
9910	motor cos phi	0.83	Motor Nameplate			
Group 10	COMMAND INPUTS					
1001	ext1 commands	1 (DI1)	DI 1 (1)			
1002	ext2 commands	6 (DI5)	DI 1 (1)			
1003	direction	1 (FORWARD)	FORWARD (1)			
Group 11	REFERENCE SELECT					
1101	keypad ref sel	1 (ref1 (Hz))	REF 1 (Hz)			
1102	ext1/ext2 sel	2 (DI2)	DI 5			
Group 12	CONSTANT SPEEDS					
1201	const speed sel	3 (DI3)	NOT SELECTED			
Group 14	RELAY OUTPUTS					
1401	relay output 1	3 (FAULT(-1))	FAULT (4)			
1402	relay output 2	2 (RUN)	SUPERV 1 OVER (7)			
Group 16	SYSTEM CONTROLS					
1601	run enable	4 (DI4)	NOT SELECTED			
1604	fault reset sel	0 (KEYPAD)	START / STOP			
Group 20	LIMITS					
2003	max current	1.5*IN **)	Motor Name +10%			
Group 21	START/STOP					
2107	start inhibit	1 (on)	0 (Off)			
Group 26	MOTOR CONTROL					
2603	I _r compensation	10 V	0 V			
2606	U/f ratio	1 (linear)	SQUARE (2)			
Group 32	SUPERVISION					
3201	superv 1 param	103	117			
3202	superv 1 lim lo	0.0 Hz	00000010BIN			
3203	superv 1 lim hi	0.0 Hz	00000011BIN			
Group 34	PROCESS VARIABLES					
3401	display sel	1(standard)	PROCESS VAR (2)			

Parameters	DESCRIPTION	ABB DEFAULT	GWi Setup	COMMISIONING DATA		
3407	p var 2 sel	103	102			
3408	p var 2 multip	1	1			
3409	p var 2 divisor	1	1			
3410	p var 2 scaling	1	0			
3411	p var 2 unit	3 (Hz)	rpm (7)			
Group 40	PID CONTROL					
4002	PID integ time	60 s	0.5 s			

To set the VFD for 480V 2 phase operation:

1. Go to 33.01 and push ENTER & RESET buttons until the display blinks
2. Make sure that the symbol **!** is visible on the bottom right hand side of the display
3. Change parameter 6309 to "4" – This masks the DC Bus ripple fault
4. Repeat steps 1 & 2 to remove the **!** symbol.