

**SENLAN SB200 - VARIABLE SPEED DRIVE PARAMETER SETUP FOR STANDARD PID PRESSURE CONTROL**

F0-02	Command Execution Channel Options	0: Control Panel (EXT Extinguished) 1: Terminal (EXT Illuminated) 2: Communication Control (EXT Flashing)	0	x	1	0	2	
F0-08	Lower Frequency Limit	0.00Hz ~ F0-07 "Upper Frequency Limit"	0.00Hz	x	0.00Hz			Optional
F0-09	Direction Lock	0: Both clockwise and anti-clockwise direction is applicable 1: Clockwise direction lock 2: Anti-clockwise direction lock	0	o	1	0	2	
F2-13	Max. Output Voltage	150 ~ 500V	380V	x	400V	150	500	
F5-02	Output Functions of Relay Output T1	0 ~ 59 ; refer to the following table of definitions of digital output functions	6	x	1	0	59	Fan
F5-03	Output Functions of Relay Output T2	0 ~ 59 ; refer to the following table of definitions of digital output functions	24	x	6	0	59	Fault
F7-00	PID control function options	0: PID control is not selected 1: PID control is selected 2: PID is selected for frequency settings modification 3: PID control is selected for frequency settings of constant pressure water supply	0	x	1	0	3	
F7-01	Channel Setting Options	0: F7-04 1: AI1 2: AI2 3: AI3 4: UP/DOWN adjustment 5: PFI 6: Communication Settings 7: AI-AI2 8: AI1 + AI2 9: Panel potentiometer	0	x	1	0	9	
F7-02	Feedback Channel Option	0: AI1 1: AI2 2: AI3 3: AI1 - AI2 4: AI1 + AI2 5: VAI1 6: VAI2 7: VAI1-AI2 8: VAI1 + VAI2 9 PFI 10: MAX (AI1~AI3) 11: MIN(AI1~AI3)	0	x	1	0	11	
F7-06	Integral Time 1	0.01 ~ 10.00s	20.00s	o	0.5s	0	10	
F7-29	Analogue Input Feedback Abnormality	0 = Nothing 1 = Alarm (only) [AL.FBL1 for analogue input 1, AL.FBL2 for analogue input 2, AL.FBL3 for analogue input 3] 2 = Error and deceleration shutdown and alarm AL.FBL [Er.FBL1 for analogue input 1, Er.FBL2 for analogue input 2, Er.FBL3 for analogue input 3] 3 = Error and free shutdown [Er.FBL1 for analogue input 1, Er.FBL2 for analogue input 2, Er.FBL3 for analogue input 3]	0	o	2			
F7-30	Analogue Input Feedback Abnormality Level (%)	0.00 ~ 100.00% (0.00% = Ignore)	50%	o	1%			
F7-31	Multi-PID Setting 7	Analogue Input Feedback Abnormality Time (s)	60	o	45			
FC-02	Monitoring Parameter Option 1	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	1	o	01	-1	50	Working Frequency
FC-03	Monitoring Parameter Option 2	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	-1	o	02	-1	50	Frequency Setting (Reference)
FC-04	Monitoring Parameter Option 3	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	-1	o	04	-1	50	DC Bus Voltage
FC-05	Monitoring Parameter Option 4	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	-1	o	05	-1	50	AC Output Voltage
FC-06	Monitoring Parameter Option 5	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	-1	o	07	-1	50	Output Current
FC-07	Monitoring Parameter Option 6	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	-1	o	13	-1	50	Rotational Speed
FC-08	Monitoring Parameter Option 7	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	-1	o	14	-1	50	AI1 Reading (Potentiometer)
FC-09	Operation Monitoring Parameter Option 1	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	0	o	08	-1	50	AI2 Reading (Transducer)
FC-10	Operation Monitoring Parameter Option 2	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	2	o	00	-1	50	Nothing
FC-11	Operation Monitoring Parameter Option 3	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	4	o	-1	-1	50	Nothing
FC-12	Operation Monitoring Parameter Option 4	-1 ~ 50; -1 means void; 0 ~ 50 mean FU-00 ~ FU-50	-1	o	-1	-1	50	Nothing
FC-15	Units of PID Settings and Feedback Values	0: Hz    1: A    2: V    3: %    4: kW    5: s    6: rpm    7: mps 8: m    9: mA    10: mV    11: Pa    12: kPa    13: °C    14: kg/cm <sup>2</sup> 15: mmH <sub>2</sub> O    16: Mpa	14	o	14	0	16	Optional