

Factory Drive Parameter & Panel Component Settings for FRENIC-HPAQ Bypass for Fans

Drive Parameter Settings

Parameter	Set To	Description
F01	3	Uses the sum of analog input terminals 12 & C1 for the speed reference input (AUTO mode)
F02	1	Operates VFD from external signals
F05	208	NOTE: Set only for 208VAC rated panels, otherwise default
F06	208	NOTE: Set only for 208VAC rated panels, otherwise default
F11	**	Sets motor overload protection level ** Set to Panel Rated Output Current see tables below
F16	3	Minimum output frequency
F32	1	Assigns FM2 analog output as 4-20mA
F37	0	Variable torque load
E01	100	None (used for customizable logic)
E02	100	None (used for customizable logic)
E03	1007	Disables VFD output when digital input X3 is off
E04	100	None (used for customizable logic)
E05	1007	Disables VFD output when digital input X5 is off
E06	1009	THR input on X6 for "OH2" tripping of VFD during factory test
E07	11	Changes speed reference to VFD keypad (HAND mode)
E20	111	Output of customizable logic
E21	55	Damper control output from VFD
E22	113	Output of customizable logic
E23	114	Output of customizable logic
E24	0	Assigns VFD running to the Y5 output relay
E98	100	None (used for customizable logic)
C30	0	Uses VFD keypad for speed reference (Hand mode)
H08	1	Reverse rotation for the motor disabled
H96	1	Enables STOP key on keypad and disables the start check

Contact Fuji Electric for additional information/help on troubleshooting of customizable logic if needed.

Panel Rated Output Current

208/230VAC Hp Rating	Panel Rated Output Current
1	4.6
2	7.5
3	10.6
5	16.7
7.5	24.2
10	30.8
15	46.2
20	59.4
25	74.8
30	88
40	114
50	143
60	169






460VAC Hp Rating	Panel Rated Output Current
1	2.1
2	3.4
3	4.8
5	7.6
7.5	11
10	14
15	21
20	27
25	34
30	40
40	52
50	65
60	77
75	96
100	124
125	156
150	180
200	240

575VAC Hp Rating	Panel Rated Output Current
1	1.7
2	2.7
3	3.9
5	6.1
7.5	9
10	11
15	17
20	22
25	27
30	32
40	41
50	52
60	62
75	77
100	99
125	125
150	144
200	192

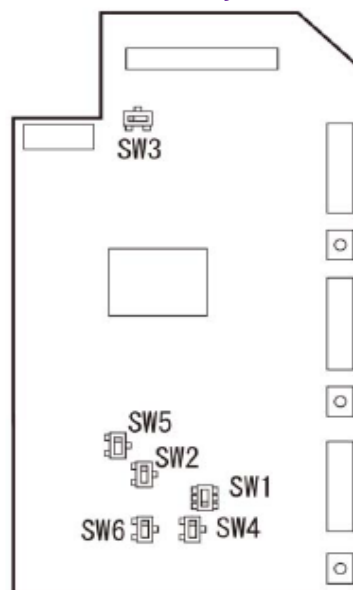
Panel Component Settings

Component	Setting
OL	Panel Rated Output Current
VFD	VFD control PCB "SW6" switch to IO2 for 4-20mA for FM2 output

Switching examples and factory default

	SW1	SW2	SW3	SW4/SW6	SW5
Shipping destination FRN□□□AR1□ -2U/4U/5U	 SINK	OFF 	OFF 	VO1/VO2 	C1 

VFD Control Card (PCB)
Switch Layout



Free-Standing Circuit Breaker Trip Settings

208/230V Hp Rating:		40	50	60		
Circuit Breaker I1 Trip Setting (Dial Setting Highlighted In Green)	Max	250	300	300		
		240.6	288.8	288.8		
	-	231.3	277.5	277.5		
		221.9	266.3	266.3		
	Med	212.5	255.0	255.0		
		203.1	243.8	243.8		
	-	193.8	232.5	232.5		
	Min	184.4	221.3	221.3		
460V Hp Rating:		100	125	150	200	
Circuit Breaker I1 Trip Setting (Dial Setting Highlighted In Green)	Max	250	300	300	400	
		240.6	288.8	288.8	385.0	
	-	231.3	277.5	277.5	370.0	
		221.9	266.3	266.3	355.0	
	Med	212.5	255.0	255.0	340.0	
		203.1	243.8	243.8	325.0	
	-	193.8	232.5	232.5	310.0	
	Min	184.4	221.3	221.3	295.0	
575V Hp Rating:		75	100	125	150	200
Circuit Breaker I1 Trip Setting (Dial Setting Highlighted In Green)	Max	150	250	250	300	400
		144.4	240.6	240.6	288.8	385.0
	-	138.8	231.3	231.3	277.5	370.0
		133.1	221.9	221.9	266.3	355.0
	Med	127.5	212.5	212.5	255.0	340.0
		121.9	203.1	203.1	243.8	325.0
	-	116.3	193.8	193.8	232.5	310.0
	Min	110.6	184.4	184.4	221.3	295.0