VVF-5 310/Controller 208V 3 Phase Settings

Parameter	*VVF Value*	*Description*
9902	6	Application Macro (Set to PID)
9905	208	Motor Nominal Voltage
9906	12	Motor Nominal Current
9907	60	Motor Nominal Frequency
9908	3450	Motor Nominal Speed
9909	5	Motor Nominal Power
1001	1	EXT1 Commands (Set to DI1)
1002	8	EXT2 Commands (Set to Keypad)
1003	1	Motor Direction (1=Forward 2=Reverse 3=Request)
1101	1	Keypad Ref Select (1=Hz, 2=%)
1102	7	EXT1/EXT2 SEL (7=EXT2 active)
1103	1	REF1 Select (AI1, analog input 1)
1104	0	REF1 MIN (min value, Hz, for REF1)
1105	60	REF1 MAX (Max Value, Hz)
1106	19	REF2 Select (selects signal source for REF2, 19=PID1OUT)
1107	0	REF2 MIN (min REF2 Value, 0-100%)
1108	100	REF2 MAX (max REF2 Value, 0-100%)
1201	0	Constant Speed Select (0=Not Selected)
1202	6	Constant Speed 1
1203	12	Constant Speed 2
1301	20	Minimum AI1 (0-100%)
1302	100	Maximum AI1 (0-100%)
1303	0.1	Filter Time Constant (0.0-10.0s)
1401	3	Inverted fault
1404	0	RO 1 ON DELAY
1405	0	RO 1 OFF DELAY
1601	0	Run Enable (0=Not Selected)
1602	1	Parameter Lock (1=open)
1603	0	PASS CODE
1604	0	FAULT RESET SEL (0=keypad)
1606	0	LOCAL LOCK (0=not selected)
1607	0	Parameter Save (1 To Save)
1610	0	Display Alarms (0=None)
1611	3	Parameter View (3=Longview)
1801	0	FREQ Input MIN (0Hz)
1802	1000	FREQ Input MAX (1000Hz)
1803	0.1	Filter FREQ In (0.0-10.0s)
3401	120	Changes Display 1 to AI 1
3405	4	Displays %
3415	103	Changes Display 2 to Output Frequency
3419	3	Displays Hz
4001	2	Gain (High gain may cause speed oscellation)
4002	0.5	Integration Time (Seconds of integration time)
4003	0	Derivation Time (seconds of derivation time)
4004	1	PID Derivation Filter (filter time constant in seconds)
4005	0	ERROR Value INV (0=NO)
4006	4	Units (4=%)

4007	1	Unit Scale
4008	0	0% Value
4009	100	100% Value
4010	19	Set Point Select (19 internal)
4011	60	Internal Setpoint (desired set point in %, equivilent to psi)
4012	0	Set Point MIN
4013	100	Set Point MAX
4014	1	FBK Select (1=ACT1)
4015	0	FBK Multiplier
4016	1	ACT1 Input (1=AI1)
4017	1	ACT2 Input (1=AI1)
4018	0	ACT1 Minimum (%)
4019	100	ACT1 Maximum (%)
4020	0	ACT2 Minimum (%)
4021	100	ACT2 Maximum (%)
4022	7	Sleep Selection (7=Internal)
4023	58.5	PID Sleep Level (Unit will go to sleep when pump runs less than setting)
4024	30	PID Sleep Delay (time pump needs to run below sleep level before controller goes to sleep)
4025	10	Wake-Up DEV (when the pressure drops below the %, controller wakes up)
4026	0.5	Wake-Up Delay (seconds)

Pressure Transducer Wiring

Black - 2

Red - 9

Shield - 1

Jump 3 & 10

Pump Wiring

Line 1 - V2

Line 2 - U2

Line 3 W2