



TECHNICAL NOTE #:	TN-VFD-COM045
EFFECTIVE DATE:	9/13/01
SUPERSEDES DATE:	N/A
ORIGINATOR:	Saftronics Inc.
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EZ-Start MODBUS Addresses

<i>Modbus Address</i>		<i>Parameter Description</i>	<i>Parameter options</i>
<u>Hex</u>	<u>Decimal</u>		
0000	0	Start Mode	1= Voltage Ramp 2= Current Limit 3= Current Ramp 4= Pump Ramp 5= Variable Ramp 6= Phase Angle
0001	1	Phase Angle minimum reference	
0002	2	Phase Angle maximum reference	
0003	3	Phase Angle minimum value	
0004	4	Phase Angle maximum value	
0005	5	Start Level	20 – 70 % Voltage
0006	6	Start Time	3 – 60 Seconds
0007	7	Variable level	25 – 75 % Voltage
0008	8	Start time 2	3 –60 Seconds
0009	9	Current limit level	50 – 605 % FLA
000A	10	Initial current	50 – 400 % FLA
000B	11	Maximum Current	200 – 600 % FLA
000C	12	Jog level	30 – 100 % Voltage
000D	13	Kick start	10= On 11= Off
000E	14	Kick Start level	50 – 100 % Voltage
000F	15	Kick Start time	200 – 2500 mSeconds
0010	16	Stop mode	7= Coast

			8= Soft Stop 9= Pump Stop
0011	17	Step down level	40 – 100 % Voltage
0012	18	Stop time	3 – 120 Seconds
0013	19	Off level	10 – 60 % Voltage
0014	20	Energy saver	10= On 11= Off
0015	21	Control	16= 2 – wire 17= 3 – wire
0016	22	Relay 1 mode	31= Run Relay
0017	23	Relay 2 mode	32= Inline Contactor
0018	24	Open collector	33= Bypass Contactor 34= Healthy Indication 35= Fault Indication 36= Cooldown Contact 37= Current On Indication 38= Current Off Indication
0019	25	Cooldown time	1 –15 Minutes
001A	26	OC current	50 – 500 % FLA
001B	27	OC voltage level	5 – 100 % Voltage
001C	28	Line sequence	10= On 11= Off
001D	29	Address	0 – 31 Device Address
001E	30	Baudrate 9600	12= 1200 Baud 13= 2400 Baud 14= 4800 Baud 15= 9600 Baud
001F	31	Local key unlock	18= Local 19= Remote
0020	32	electronic overload class 10	20= Class 10 21= Class 20 22= Class 30
0021	33	Shorted SCR	
0022	34	Shearpin level	
0023	35	Shearpin level	
0024	36	FLA	
0025	37	Fault reset	
0026	38	Factory default	