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PFLEX-IN002A-EN-P

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These records can be printed to provide a written record of parameter changes made to a PowerFlex 70 or PowerFlex 700 dri

Some manpulation of the spreadsheets may be necessary based on you selection of a printer.

Identity

Customer Name _____

Plant _____

Machine # _____

Process Number _____

Other Data _____

Date Programmed _____

SW Version _____

Drive Cat # _____

Drive Ser # _____

S.M.A.R.T. Start
Parameter Setup

Par	Parameter Name	Factory Default	Programmed Value
40	Motor Type	Induction	
41	Motor NP Volts	Based on Drive Rating	
42	Motor NP FLA	Based on Drive Rating	
43	Motor NP Hertz	Based on Drive Cat. No.	
44	Motor NP RPM	1750 RPM	
45	Motor NP Power	Based on Drive Rating	
46	Mtr NP Pwr Units	Based on Drive Rating	
47	Motor OL Hertz	Motor NP Hz/3	
48	Motor OL Factor	1.00	
53	Torque Perf Mode	Sensrls Vect	
61	Autotune	Calculate	
62	IR Voltage Drop	Based on Drive Rating	
63	Flux Current Ref	Based on Drive Rating	
81	Minimum Speed	0.0 Hz	
82	Maximum Speed	50.0 or 60.0 Hz	
83	Overspeed Limit	10.0 Hz	
90	Speed Ref A Sel	Analog In 2	
91	Speed Ref A Hi	[Maximum Speed]	
92	Speed Ref A Lo	0.0 Hz	
140	Accel Time 1	10.0 Secs	
142	Decel Time 1	10.0 Secs	
201	Language	Not Selected	
320	Anlg In Config	0	
321	Anlg In Sqr Root	0	
322	Analog In 1 Hi	10.0 Volt	
323	Analog In 1 Lo	0.0 Volt	
324	Analog In 1 Loss	Disabled	
361	Digital In1 Sel	Stop - CF	
362	Digital In2 Sel	Start	

Par	Parameter Name	Factory Default	Programmed Value
288	Stop Owner	Read Only	
289	Start Owner	Read Only	
290	Jog Owner	Read Only	
291	Direction Owner	Read Only	
292	Reference Owner	Read Only	
293	Accel Owner	Read Only	
294	Decel Owner	Read Only	
295	Fault Clr Owner	Read Only	
296	MOP Owner	Read Only	
297	Local Owner	Read Only	
300	Data In A1	0	
301	Data In A2	0	
302	Data In B1	0	
303	Data In B2	0	
304	Data In C1	0	
305	Data In C2	0	
306	Data In D1	0	
307	Data In D2	0	
310	Data Out A1	0	
311	Data Out A2	0	
312	Data Out B1	0	
313	Data Out B2	0	
314	Data Out C1	0	
315	Data Out C2	0	
316	Data Out D1	0	
317	Data Out D2	0	
320	Anlg In Config	0	
321	Anlg In Sqr Root	0	
322	Analog In 1 Hi	10.0 Volt	
323	Analog In 1 Lo	0.0 Volt	
324	Analog In 1 Loss	Disabled	
325	Analog In 2 Hi	10.0 Volt	
326	Analog In 2 Lo	0.0 Volt	
327	Analog In 2 Loss	Disabled	
341	Anlg Out Absolut	xxxxxxxxxxxxxx1	
342	Analog Out1 Sel	Output Freq	
343	Analog Out1 Hi	10.00 Volt	
344	Analog Out1 Lo	0.00 Volt	
361	Digital In1 Sel	Stop - CF	
362	Digital In2 Sel	Start	
363	Digital In3 Sel	Auto/Manual	
364	Digital In4 Sel	Speed Sel 1	
365	Digital In5 Sel	Speed Sel 2	
366	Digital In6 Sel	Speed Set 3	
380	Digital Out1 Sel	Fault	
381	Dig Out1 Level	0.0	
382	Dig Out1 OnTime	0.00 Secs	
383	Dig Out1 OffTime	0.00 Secs	
384	Digital Out2 Sel	Run	
385	Dig Out2 Level	0.0	
386	Dig Out2 OnTime	0.00 Secs	
387	Dig Out2 OffTime	0.00 Secs	

Par	Parameter Name	Factory Default	Programmed Value
1	Output Freq	Read Only	
2	Commanded Freq	Read Only	
3	Output Current	Read Only	
4	Torque Current	Read Only	
5	Flux Current	Read Only	
6	Output Voltage	Read Only	
7	Output Power	Read Only	
8	Output Powr Fctr	Read Only	
9	Elapsed MWh	Read Only	
10	Elapsed Run Time	Read Only	
11	MOP Frequency	Read Only	
12	DC Bus Voltage	Read Only	
13	DC Bus Memory	Read Only	
16	Analog In1 Value	Read Only	
17	Analog In2 Value	Read Only	
26	Rated kW	Read Only	
27	Rated Volts	Read Only	
28	Rated Amps	Read Only	
29	Control SW Ver	Read Only	
40	Motor Type	Induction	
41	Motor NP Volts	Based on Drive Rating	
42	Motor NP FLA	Based on Drive Rating	
43	Motor NP Hertz	Based on Drive Cat. No.	
44	Motor NP RPM	1750 RPM	
45	Motor NP Power	Based on Drive Rating	
46	Mtr NP Pwr Units	Based on Drive Rating	
47	Motor OL Hertz	Motor NP Hz/3	
48	Motor OL Factor	1.00	
53	Torque Perf Mode	Sensrls Vect	
54	Maximum Voltage	Drive Rated Volts	
55	Maximum Freq	110.0 or 130.0 Hz	
56	Compensation	xxxxxxxxxxxxx11	
57	Flux Up Mode	Manual	
58	Flux Up Time	0.00 secs	
61	Autotune	Calculate	
62	IR Voltage Drop	Based on Drive Rating	
63	Flux Current Ref	Based on Drive Rating	
69	Start/Acc Boost	Based on Drive Rating	
70	Run Boost	Based on Drive Rating	
71	Break Voltage	[Motor NP Volts] x 0.25	
72	Break Frequency	[Motor NP Freq] x 0.25	
80	Speed Mode	Open Loop	
81	Minimum Speed	0.0 Hz	
82	Maximum Speed	50.0 or 60.0 Hz (Dep. on voltage class)	
83	Overspeed Limit	10.0 Hz	
84	Skip Frequency 1	0.0 Hz	
85	Skip Frequency 2	0.0 Hz	
86	Skip Frequency 3	0.0 Hz	
87	Skip Freq Band	0.0 Hz	
90	Speed Ref A Sel	Analog In 2	
91	Speed Ref A Hi	[Maximum Speed]	
92	Speed Ref A Lo	0.0 Hz	
93	Speed Ref B Sel	Preset Spd1	
94	Speed Ref B Hi	[Maximum Speed]	
95	Speed Ref B Lo	0.0 Hz	
96	TB Man Ref Sel	Analog In 1	
97	TB Man Ref Hi	[Maximum Speed]	
98	TB Man Ref Lo	0.0 Hz	
100	Jog Speed	10.0 Hz	

Par	Parameter Name	Factory Default	Programmed Value
101	Preset Speed 1	5.0 Hz	
102	Preset Speed 2	10.0 Hz	
103	Preset Speed 3	20.0 Hz	
104	Preset Speed 4	30.0 Hz	
105	Preset Speed 5	40.0 Hz	
106	Preset Speed 6	50.0 Hz	
107	Preset Speed 7	60.0 Hz	
117	Trim In Select	Analog In 2	
118	Trim Out Select	xxxxxxxxxxxxx00	
119	Trim Hi	60.0 Hz	
120	Trim Lo	0.0 Hz	
121	Slip RPM @ FLA	Based on [Motor NP RPM]	
122	Slip Comp Gain	40.0	
123	Slip RPM Meter	Read Only	
124	PI Configuration	xxxxxxxxxx000000	
125	PI Control	xxxxxxxxxxxx000	
126	PI Reference Sel	PI Setpoint	
127	PI Setpoint	50.00%	
128	PI Feedback Sel	Analog In 2	
129	PI Integral Time	2.00 Secs	
130	PI Prop Gain	1.00	
131	PI Lower Limit	-[Maximum Freq]	
132	PI Upper Limit	+[Maximum Freq]	
133	PI Preload	0.0 Hz	
134	PI Status	Read Only	
135	PI Ref Meter	Read Only	
136	PI Fdback Meter	Read Only	
137	PI Error Meter	Read Only	
138	PI Output Meter	Read Only	
140	Accel Time 1	10.0 Secs	
141	Accel Time 2	10.0 Secs	
142	Decel Time 1	10.0 Secs	
143	Decel Time 2	10.0 Secs	
146	S-Curve %	0%	
147	Current Lmt Sel	Cur Lim Val	
148	Current Lmt Val	[Rated Amps] x 1.5	
149	Current Lmt Gain	250	
150	Drive OL Mode	Both-PWM 1st	
151	PWM Frequency	4 kHz	
155	Stop Mode A	Ramp	
156	Stop Mode B	Coast	
157	DC Brk Lvl Sel	DC Brake Lvl	
158	DC Brake Level	[Rated Amps]	
159	DC Brake Time	0.0 sec	
160	Bus Reg Ki	450	
161	Bus Reg Mode A	Adjust Freq	
162	Bus Reg Mode B	Both-Frq 1st	
163	DB Resistor Type	Internal Res	
168	Start At PowerUp	Disabled	
169	Flying Start En	Disabled	
170	Flying StartGain	4000	
174	Auto Rstrt Tries	0	
175	Auto Rstrt Delay	1.0 Secs	
184	Power Loss Mode	Coast	
185	Power Loss Time	0.5 Secs	
190	Direction Mode	Unipolar	
192	Save HIM Ref	xxxxxxxxxxxxx1	
193	Man Ref Preload	Disabled	
194	Save MOP Ref	xxxxxxxxxxxxx00	

Par	Parameter Name	Factory Default	Programmed Value
195	MOP Rate	1.0 Hz/s	
196	Param Access Lvl	Basic	
197	Reset To Defalts	Ready	
198	Load Frm Usr Set	Ready	
199	Save To User Set	Ready	
200	Reset Meters	Ready	
201	Language	Not Selected	
202	Voltage Class	Based on Drive Cat. No.	
203	Drive Checksum	Read Only	
209	Drive Status 1	Read Only	
210	Drive Status 2	Read Only	
211	Drive Alarm 1	Read Only	
212	Drive Alarm 2	Read Only	
213	Speed Ref Source	Read Only	
214	Start Inhibits	Read Only	
215	Last Stop Source	Read Only	
216	Dig In Status	Read Only	
217	Dig Out Status	Read Only	
218	Drive Temp	Read Only	
219	Drive OL Count	Read Only	
220	Motor OL Count	Read Only	
224	Fault Frequency	Read Only	
225	Fault Amps	Read Only	
226	Fault Bus Volts	Read Only	
227	Status 1 @ Fault	Read Only	
228	Status 2 @ Fault	Read Only	
229	Alarm 1 @ Fault	Read Only	
230	Alarm 2 @ Fault	Read Only	
234	Testpoint 1 Sel	499	
235	Testpoint 1 Data	Read Only	
236	Testpoint 2 Sel	499	
237	Testpoint 2 Data	Read Only	
238	Fault Config 1	xxxxxxxxx1001x10	
240	Fault Clear	Ready	
241	Fault Clear Mode	Enabled	
242	Power Up Marker	Read Only	
243	Fault 1 Code	Read Only	
244	Fault 1 Time	Read Only	
245	Fault 2 Code	Read Only	
246	Fault 2 Time	Read Only	
247	Fault 3 Code	Read Only	
248	Fault 3 Time	Read Only	
249	Fault 4 Code	Read Only	
250	Fault 4 Time	Read Only	
259	Alarm Config 1	xxxxxx111x111111	
270	DPI Baud Rate	125 kbps	
271	Drive Logic Rslt	Read Only	
272	Drive Ref Rslt	Read Only	
273	Drive Ramp Rslt	Read Only	
276	Logic Mask	xxxxxxxxx1x1111	
277	Start Mask	xxxxxxxxx1x1111	
278	Jog Mask	xxxxxxxxx1x1111	
279	Direction Mask	xxxxxxxxx1x1111	
280	Reference Mask	xxxxxxxxx1x1111	
281	Accel Mask	xxxxxxxxx1x1111	
282	Decel Mask	xxxxxxxxx1x1111	
283	Fault Clr Mask	xxxxxxxxx1x1111	
284	MOP Mask	xxxxxxxxx1x1111	
285	Local Mask	xxxxxxxxx1x1111	

PowerFlex™

PowerFlex 70
Parameter Record

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	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
1	Output Freq	- [Maximum Freq]	+ [Maximum Freq]	Read Only	
2	Commanded Freq	- [Maximum Speed]	+ [Maximum Speed]	Read Only	
3	Output Current	0.0 Amps	Drive Rated Amps x 2	Read Only	
4	Torque Current	Drive Rating x -2	Drive Rating x +2	Read Only	
5	Flux Current	Drive Rating x -2	Drive Rating x +2	Read Only	
6	Output Voltage	0.0 VAC	Drive Rated Volts	Read Only	
7	Output Power	0.0 kW	Drive Rated kW x 2	Read Only	
8	Output Powr Fctr	0.00	1.00	Read Only	
9	Elapsed MWh	0.0 MWh	429496729.5 MWh	Read Only	
10	Elapsed Run Time	0.0 Hrs	429496729.5 Hrs	Read Only	
11	MOP Frequency	- [Maximum Frequency]	+ [Maximum Frequency]	Read Only	
12	DC Bus Voltage	Based on Drive Rating	Based on Drive Rating	Read Only	
13	DC Bus Memory	Based on Drive Rating	Based on Drive Rating	Read Only	
16	Analog In1 Value	0.000 mA -10.000V	20.000 mA +10.000V	Read Only	
17	Analog In2 Value	0.000 mA -10.000V	20.000 mA +10.000V	Read Only	
26	Rated kW	0.37 kW	15.0 kW	Read Only	
27	Rated Volts	Based on Drive Rating	Based on Drive Rating	Read Only	
28	Rated Amps	1.1 Amps	32.2 Amps	Read Only	
29	Control SW Ver	0.000	65.256	Read Only	
40	Motor Type		Induction	Induction	
			Synchr Reluc		
			Synchr PM		
41	Motor NP Volts	0.0 VAC	[Rated Volts]	Based on Drive Rating	
42	Motor NP FLA	0.0 Amps	[Rated Amps] x 2	Based on Drive Rating	
43	Motor NP Hertz	5.0 Hz	400.0 Hz	Based on Drive Cat. No.	
44	Motor NP RPM	60 RPM	24000 RPM	1750 RPM	
45	Motor NP Power	0.0	100.0	Based on Drive Rating	
46	Mtr NP Pwr Units		Horsepower	Based on Drive Rating	
			kiloWatts		
47	Motor OL Hertz	0.0 Hz	Motor NP Hz	Motor NP Hz/3	
48	Motor OL Factor	0.20	2.00	1.00	
53	Torque Perf Mode		Sensrls Vect	Sensris Vect	
			SV Economize		
			Custom V/Hz		
			Fan/Pmp V/Hz		
54	Maximum Voltage	Rated Volts x 0.25	Rated Volts x 1.0	Drive Rated Volts	
55	Maximum Freq	5.0 Hz	400.0 Hz	110.0 or 130.0 Hz	
56	Compensation		Reflect Wave	1	
			Enable Jerk	1	
57	Flux Up Mode		Manual	Manual	
			Automatic		
58	Flux Up Time	0.00 secs	5.00 secs	0.00 secs	
61	Autotune		Ready	Calculate	
			Static Tune		
			Rotate Tune		
			Calculate		
62	IR Voltage Drop	0.0 VAC	[Motor NP Volts] x 0.25	Based on Drive Rating	
63	Flux Current Ref	0.00 Amps	[Motor NP FLA]	Based on Drive Rating	
69	Start/Acc Boost	0.0 VAC	[Motor NP Volts] x 0.25	Based on Drive Rating	
70	Run Boost	0.0 VAC	[Motor NP Volts] x 0.25	Based on Drive Rating	
71	Break Voltage	0.0 VAC	[Motor NP Volts]	[Motor NP Volts] x 0.25	
72	Break Frequency	0.0 Hz	[Motor NP Freq]	[Motor NP Freq] x 0.25	
80	Speed Mode		Open Loop	Open Loop	
			Slip Comp		
			Process PI		
81	Minimum Speed	0.0 Hz	[Maximum Speed]	0.0 Hz	
82	Maximum Speed	5.0 Hz	400.0 Hz	50.0 or 60.0 Hz (Dependent on voltage class)	
83	Overspeed Limit	0.0 Hz	20.0 Hz	10.0 Hz	
84	Skip Frequency 1	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
85	Skip Frequency 2	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
86	Skip Frequency 3	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
87	Skip Freq Band	0.0 Hz	30.0 Hz	0.0 Hz	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
90	Speed Ref A Sel		Analog In 1	Analog In 2	
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Reserved		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			Reserved		
			DPI Port 5		
91	Speed Ref A Hi	- [Maximum Speed]	+ [Maximum Speed]	[Maximum Speed]	
92	Speed Ref A Lo	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
93	Speed Ref B Sel		Analog In 1	Preset Spd1	
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Reserved		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			Reserved		
			DPI Port 5		
94	Speed Ref B Hi	- [Maximum Speed]	+ [Maximum Speed]	[Maximum Speed]	
95	Speed Ref B Lo	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
96	TB Man Ref Sel		Analog In 1	Analog In 1	
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
97	TB Man Ref Hi	- [Maximum Speed]	+ [Maximum Speed]	[Maximum Speed]	
98	TB Man Ref Lo	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
100	Jog Speed	- [Maximum Speed]	+ [Maximum Speed]	10.0 Hz	
101	Preset Speed 1	- [Maximum Speed]	+ [Maximum Speed]	5.0 Hz	
102	Preset Speed 2	- [Maximum Speed]	+ [Maximum Speed]	10.0 Hz	
103	Preset Speed 3	- [Maximum Speed]	+ [Maximum Speed]	20.0 Hz	
104	Preset Speed 4	- [Maximum Speed]	+ [Maximum Speed]	30.0 Hz	
105	Preset Speed 5	- [Maximum Speed]	+ [Maximum Speed]	40.0 Hz	
106	Preset Speed 6	- [Maximum Speed]	+ [Maximum Speed]	50.0 Hz	
107	Preset Speed 7	- [Maximum Speed]	+ [Maximum Speed]	60.0 Hz	
117	Trim In Select		Analog In 1	Analog In 2	
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Reserved		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			DPI Port 4		
			DPI Port 5		
118	Trim Out Select		Trim Ref A	0	
			Trim Ref B	0	
119	Trim Hi	- [Maximum Speed]	+ [Maximum Speed]	60.0 Hz	
120	Trim Lo	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
121	Slip RPM @ FLA	0.0 RPM	1200.0 RPM	Based on [Motor NP RPM]	
122	Slip Comp Gain	1.0	100.0	40.0	
123	Slip RPM Meter	0.0 RPM	300.0 RPM	Read Only	
124	PI Configuration		Excl Mode	0	
			Invert Error	0	
			Preload Mode	0	
			Ramp Ref	0	
			Zero Clamp	0	
			Feedbak Sqrt	0	
125	PI Control		PI Enable	0	
			PI Hold	0	
			PI Reset	0	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
126	PI Reference Sel		PI Setpoint	PI Setpoint	
			Analog In 1		
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Master Ref		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DIP Port 1		
			DPI Port 2		
			DPI Port 3		
			DPI Port 4		
			DPI Port 5		
127	PI Setpoint	-100.00% of Maximum Process Value	+ 100% of Maximum Process Value	50.00%	
128	PI Feedback Sel		PI Setpoint	Analog In 2	
			Analog In 1		
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Master Ref		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DIP Port 1		
			DPI Port 2		
			DPI Port 3		
			DPI Port 4		
			DPI Port 5		
129	PI Integral Time	0.00 Secs	100.00 Secs	2.00 Secs	
130	PI Prop Gain	0.00	100.00	1.00	
131	PI Lower Limit	-400.0 Hz	+400.0 Hz	-[Maximum Freq]	
132	PI Upper Limit	-400.0 Hz	+400.0 Hz	+[Maximum Freq]	
133	PI Preload	-400.0 Hz	+400.0 Hz	0.0 Hz	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
134	PI Status		PI Enabled	0	
			PI Hold	0	
			PI Reset	0	
			PI InLimit	0	
135	PI Ref Meter	-100.00 %	+100.00 %	Read Only	
136	PI Fdback Meter	-100.00 %	+100.00 %	Read Only	
137	PI Error Meter	-100.00 %	+100.00 %	Read Only	
138	PI Output Meter	-[Maximum Freq]	+[Maximum Freq]	Read Only	
140	Accel Time 1	0.1 Secs	3600.0 Secs	10.0 Secs	
141	Accel Time 2	0.1 Secs	3600.0 Secs	10.0 Secs	
142	Decel Time 1	0.1 Secs	3600.0 Secs	10.0 Secs	
143	Decel Time 2	0.1 Secs	3600.0 Secs	10.0 Secs	
146	S-Curve %	0%	100%	0%	
147	Current Lmt Sel		Cur Lim Val	Cur Lim Val	
			Analog In 1		
			Analog In 2		
148	Current Lmt Val	Based On Drive Rating	Based On Drive Rating	[Rated Amps] x 1.5	
149	Current Lmt Gain	0	5000	250	
150	Drive OL Mode		Disabled	Both-PWM 1st	
			Reduce CLim		
			Reduce PWM		
			Both-PWM 1st		
151	PWM Frequency	2 kHz	10 kHz	4 kHz	
155	Stop Mode A		Coast	Ramp	
			Ramp		
			Ramp to Hold		
			DC Brake		
156	Stop Mode B		Coast	Coast	
			Ramp		
			Ramp to Hold		
			DC Brake		
157	DC Brk Lvl Sel		DC Brake Lvl	DC Brake Lvl	
			Analog In 1		
			Analog In 2		
158	DC Brake Level	0.0 Amps	[Rated Amps] x 1.5	[Rated Amps]	
159	DC Brake Time	0.0 sec	90.0 sec	0.0 sec	
160	Bus Reg Ki	0	5000	450	
161	Bus Reg Mode A		Disabled	Adjust Freq	
			Adjust Freq		
			Dynamic Brak		
			Both-DB 1st		
			Both-Frq 1st		
162	Bus Reg Mode B		Disabled	Both-Frq 1st	
			Adjust Freq		
			Dynamic Brak		
			Both-DB 1st		
			Both-Frq 1st		
163	DB Resistor Type		Internal Res	Internal Res	
			External Res		
			None		
168	Start At PowerUp		Disabled	Disabled	
			Enabled		
169	Flying Start En		Disabled	Disabled	
			Enabled		
170	Flying StartGain	20	32767	4000	
174	Auto Rstrt Tries	0	9	0	
175	Auto Rstrt Delay	0.5 Secs	30.0 Secs	1.0 Secs	
184	Power Loss Mode		Coast	Coast	
			Decel		
185	Power Loss Time	0.0 Secs	60.0 Secs	0.5 Secs	
190	Direction Mode		Unipolar	Unipolar	
			Bipolar		
			Reverse Dis		
192	Save HIM Ref		At Powr Down	1	
193	Man Ref Preload		Disabled	Disabled	
			Enabled		
194	Save MOP Ref		At Powr Down	0	
			At Stop	0	
195	MOP Rate	0.2 Hz/s	[Maximum Freq]	1.0 Hz/s	
196	Param Access Lvl		Basic	Basic	
			Advanced		
197	Reset To Defalts		Ready	Ready	
			Factory		
			Low Voltage		
			High Voltage		

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
198	Load Frm Usr Set		Ready	Ready	
			User Set 1		
			User Set 2		
			User Set 3		
199	Save To User Set		Ready	Ready	
			User Set 1		
			User Set 2		
			User Set 3		
200	Reset Meters		Ready	Ready	
			MWh		
			Elapsed Time		
201	Language		Not Selected	Not Selected	
			English		
			Francais		
			Espanol		
			Italiano		
			Deutsch		
			Reserved		
			Portugues		
			Reserved		
			Reserved		
			Nederlands		
202	Voltage Class		Low Voltage	Based on Drive Cat. No.	
			High Voltage		
203	Drive Checksum	0	65535	Read Only	
209	Drive Status 1		Ready	0	
			Active	0	
			Command Dir	1	
			Actual Dir	1	
			Accelerating	0	
			Decelerating	0	
			Alarm	0	
			Faulted	1	
			At Speed	0	
			Local ID 0	1	
			Local ID 1	1	
			Local ID 2	1	
			Spd Ref ID 0	0	
			Spd Ref ID 1	0	
			Spd Ref ID 2	0	
			Spd Ref ID 3	0	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
210	Drive Status 2		Ready	0	
			Active	0	
			Running	0	
			Jogging	0	
			Stopping	0	
			DC Braking	0	
			Auto Tuning	0	
			Unused	X	
			AutoRst Ctdn	0	
			AutoRst Act	0	
			Curr Limit	0	
			Bus Freq Reg	0	
			Motor Overld	0	
			DPI at 500 k	0	
			Unused	X	
			Unused	X	
211	Drive Alarm 1		Prechrg Actv	0	
			UnderVoltage	0	
			Power Loss	0	
			Str At PwrUp	0	
			Anlg in Loss	0	
			IntDBRes OH	0	
			Unused	X	
			Drv OL Lvl 1	0	
			Drv OL Lvl 2	0	
			Decel Inhibt	0	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	
212	Drive Alarm 2		DigIn CflctA	0	
			DigIn CflctB	0	
			DigIn CflctC	0	
			Bipolr Cflct	0	
			MtrTyp Cflct	0	
			NP Hz Cflct	0	
			MaxFrq Cflct	0	
			VHz NegSlope	0	
			IR Vlts Rang	0	
			FlxAmps Rang	0	
			SpdRef Cflct	0	
213	Speed Ref Source		PI Output	Read Only	
			Analog In 1		
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Jog Speed		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			Reserved		
			DPI Port 5		

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
214	Start Inhibits		Faulted	1	
			Type 2 Alarm	0	
			Enable	0	
			DC Bus Pchrg	0	
			Stop Assertd	1	
			Params Reset	0	
			Startup Actv	0	
			Unused	X	
			Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
			Unused	X	
			Unused	X	
215	Last Stop Source		Pwr Removed	Read Only	
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			Reserved		
			DPI Port 5		
			Reserved		
			Digital In		
			Fault		
			Not Enabled		
			Sleep		
			Jog		
216	Dig In Status		Digital In1	0	
			Digital In2	0	
			Digital In3	0	
			Digital In4	0	
			Digital In5	0	
			Digital In6	0	
217	Dig Out Status		Digital Out1	0	
			Digital Out2	0	
218	Drive Temp	0.0	100.00%	Read Only	
219	Drive OL Count	0.0	100.00%	Read Only	
220	Motor OL Count	0.0	100.00%	Read Only	
224	Fault Frequency	0.0	+[Maximum Freq]	Read Only	
225	Fault Amps	0.0 Amps	[Rated Amps] x 2	Read Only	
226	Fault Bus Volts	0.0 VDC	Max Bus Volts	Read Only	
227	Status 1 @ Fault		Ready	0	
			Active	0	
			Command Dir	1	
			Actual Dir	1	
			Accelerating	0	
			Decelerating	0	
			Alarm	0	
			Faulted	1	
			At Speed	0	
			Local ID 0	1	
			Local ID 1	1	
			Local ID 2	1	
			Spd Ref ID 0	0	
			Spd Ref ID 1	0	
			Spd Ref ID 2	0	
			Spd Ref ID 3	0	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
228	Status 2 @ Fault		Ready	0	
			Active	0	
			Running	1	
			Jogging	1	
			Stopping	0	
			DC Braking	0	
			AutoTuning	0	
			Unused	X	
			AutoRst Ctdn	0	
			Auto Rst Act	1	
			Curr Limit	1	
			Bus Freq Reg	1	
			Motor Overld	0	
			DPI at 500 k	0	
			Unused	X	
			Unused	X	
229	Alarm 1 @ Fault		Prechrg Actv	0	
			UnderVoltage	0	
			Power Loss	0	
			Str At PwrUp	0	
			Anlg In Loss	0	
			IntDBRes OH	0	
			Unused	X	
			Drv OL Lvl 1	0	
			Drv OL Lvl 2	0	
			Decel Inhibt	0	
230	Alarm 2 @ Fault		DigIn CflctA	0	
			DigIn CflctB	0	
			DigIn CflctC	0	
			Bipolr Cflct	0	
			MtrTyp Cflct	0	
			NP Hz Cflct	0	
			MaxFrq Cflct	0	
			VHz NegSlope	0	
			IR Vlts Rang	0	
			FlxAmps Rang	0	
			SpdRef Cflct	0	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	
234	Testpoint 1 Sel	0	999	499	
235	Testpoint 1 Data	0	65535	Read Only	
236	Testpoint 2 Sel	0	999	499	
237	Testpoint 2 Data	0	65535	Read Only	
238	Fault Config 1		Power Loss	0	
			UnderVoltage	1	
			Unused	X	
			Motor OverLd	1	
			Shear Pin	0	
			AutRst Tries	0	
			Decel Inhibt	1	
240	Fault Clear		Ready	Ready	
			Clear Faults		
			Clr Flt Que		
241	Fault Clear Mode		Disabled	Enabled	
			Enabled		
242	Power Up Marker	0.0000 Hr	429496.7295 Hr	Read Only	
243	Fault 1 Code	0000	9999	Read Only	
244	Fault 1 Time	0.0000 Hr.	429496.7295 Hr.	Read Only	
245	Fault 2 Code	0000	9999	Read Only	
246	Fault 2 Time	0.0000 Hr.	429496.7295 Hr.	Read Only	
247	Fault 3 Code	0000	9999	Read Only	
248	Fault 3 Time	0.0000 Hr.	429496.7295 Hr.	Read Only	
249	Fault 4 Code	0000	9999	Read Only	
250	Fault 4 Time	0.0000 Hr.	429496.7295 Hr.	Read Only	
259	Alarm Config 1		Prechrg Actv	1	
			UnderVoltage	1	
			PowerLoss	1	
			Str At PwrUp	1	
			Anlg In Loss	1	
			IntDBRes OH	1	
			Unused	X	
			Drv OL Lvl 1	1	
			Drv OL Lvl 2	1	
			Decel Inhibt	1	
270	DPI Baud Rate		125 kbps	125 kbps	
			500 kbps		
271	Drive Logic Rslt		Stop	0	
			Start	0	
			Jog	1	
			Clear Fault	1	
			Forward	0	
			Reverse	0	
			Local Contrl	0	
			Mop Inc	1	
			Accel 1	0	
			Accel 2	1	
			Decel 1	1	
			Decel 2	1	
			Spd Ref ID 0	0	
			Spd Ref ID 1	0	
			Spd Ref ID 2	0	
			MOP Dec	0	
272	Drive Ref Rslt	0	32767	Read Only	
273	Drive Ramp Rslt	0	32767	Read Only	
276	Logic Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
277	Start Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
278	Jog Mask		Digital In	1	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
279	Direction Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
280	Reference Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
281	Accel Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
282	Decel Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
283	Fault Clr Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
284	MOP Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
285	Local Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
288	Stop Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
289	Start Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
290	Jog Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
291	Direction Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
292	Reference Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
293	Accel Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
294	Decel Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
295	Fault Clr Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
296	MOP Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
297	Local Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
300	Data In A1	0	387	0	
301	Data In A2	0	387	0	
302	Data In B1	0	387	0	
303	Data In B2	0	387	0	
304	Data In C1	0	387	0	
305	Data In C2	0	387	0	
306	Data In D1	0	387	0	
307	Data In D2	0	387	0	
310	Data Out A1	0	387	0	
311	Data Out A2	0	387	0	
312	Data Out B1	0	387	0	
313	Data Out B2	0	387	0	
314	Data Out C1	0	387	0	
315	Data Out C2	0	387	0	
316	Data Out D1	0	387	0	
317	Data Out D2	0	387	0	
320	Anlg In Config		Analog In 1	0	
			Analog In 2	0	
321	Anlg In Sqr Root		Analog In 1	0	
			Analog In 2	0	
322	Analog In 1 Hi	4.000 mA	20.000 mA	10.0 Volt	
		-10.0 V	+10.0 V		
		0.0V	10.0 V		
323	Analog In 1 Lo	4.000 mA	20.000 mA	0.0 Volt	
		-10.0V	+10.0V		
		0.0V	10.0V		

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
324	Analog In 1 Loss		Disabled	Disabled	
			Fault		
			Hold Input		
			Set Input Lo		
			Set Input Hi		
			Goto Preset1		
			Hold OutFreq		
325	Analog In 2 Hi	4.000 mA	20.000 mA	10.0 Volt	
		-10.0 V	+10.0 V		
		0.0	10.0 V		
326	Analog In 2 Lo	4.000 mA	20.000 mA	0.0 Volt	
		-10.0V	+10.0V		
		0.0V	10.0V		
327	Analog In 2 Loss		Disabled	Disabled	
			Fault		
			Hold Input		
			Set Input Lo		
			Set Input Hi		
			Goto Preset1		
			Hold OutFreq		
341	Anlg Out Absolut		Analog Out1	1	
342	Analog Out1 Sel		Output Freq	Output Freq	
			Command Freq		
			Output Amps		
			Torque Amps		
			Flux Amps		
			Output Power		
			Output Volts		
			DC Bus Volts		
			PI Reference		
			PI Feedback		
			PI Error		
			PI Outout		
			%Motor OL		
			%Drive OL		
343	Analog Out1 Hi	0.00 Volt	10.00 Volt	10.00 Volt	
344	Analog Out1 Lo	0.00 Volt	10.00 Volt	0.00 Volt	
361	Digital In1 Sel		Not Used	Stop - CF	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
362	Digital In2 Sel		Not Used	Start	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		
363	Digital In3 Sel		Not Used	Auto/Manual	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
364	Digital In4 Sel		Not Used	Speed Sel 1	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		
365	Digital In5 Sel		Not Used	Speed Sel 2	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
366	Digital In6 Sel		Not Used	Speed Set 3	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		
380	Digital Out1 Sel		Fault	Fault	
			Alarm		
			Ready		
			Run		
			Forward Run		
			Reverse Run		
			Auto Restart		
			Powerup Run		
			At Speed		
			At Freq		
			At Current		
			At Torque		
			At Temp		
			At Bus Volts		
			At PI Error		
			DC Braking		
			Curr Limit		
			Economize		
			Motor Overld		
			Power Loss		
			Input 1 Link		
			Input 2 Link		
			Input 3 Link		
			Input 4 Link		
			Input 5 Link		
			Input 6 Link		
381	Dig Out1 Level	0.0	819.2	0.0	
382	Dig Out1 OnTime	0.00 Secs	600.00 Secs	0.00 Secs	
383	Dig Out1 OffTime	0.00 Secs	600.00 Secs	0.00 Secs	

	PowerFlex 70 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
384	Digital Out2 Sel		Fault	Run	
			Alarm		
			Ready		
			Run		
			Forward Run		
			Reverse Run		
			Auto Restart		
			Powerup Run		
			At Speed		
			At Freq		
			At Current		
			At Torque		
			At Temp		
			At Bus Volts		
			At PI Error		
			DC Braking		
			Curr Limit		
			Economize		
			Motor Overld		
			Power Loss		
			Input 1 Link		
			Input 2 Link		
			Input 3 Link		
			Input 4 Link		
			Input 5 Link		
			Input 6 Link		
385	Dig Out2 Level	0.0	819.2	0.0	
386	Dig Out2 OnTime	0.00 Secs	600.00 Secs	0.00 Secs	
387	Dig Out2 OffTime	0.00 Secs	600.00 Secs	0.00 Secs	

Identity

S.M.A.R.T. Start
Parameter Setup

Customer Name _____

Plant _____

Machine # _____

Process Number _____

Other Data _____

Date Programmed _____

SW Version _____

Drive Cat # _____

Drive Ser # _____

Par	Parameter Name	Factory Default	Programmed Value
40	Motor Type	Induction	
41	Motor NP Volts	Based on Drive Rating	
42	Motor NP FLA	Based on Drive Rating	
43	Motor NP Hertz	Based on Drive Cat. No.	
44	Motor NP RPM	1750 RPM	
45	Motor NP Power	Based on Drive Rating	
46	Mtr NP Pwr Units	Based on Drive Rating	
47	Motor OL Hertz	Motor NP Hz/3	
48	Motor OL Factor	1.00	
53	Torque Perf Mode	Sensrls Vect	
61	Autotune	Calculate	
62	IR Voltage Drop	Based on Drive Rating	
63	Flux Current Ref	Based on Drive Rating	
81	Minimum Speed	0.0 Hz	
82	Maximum Speed	50.0 or 60.0 Hz	
83	Overspeed Limit	10.0 Hz	
90	Speed Ref A Sel	Analog In 2	
91	Speed Ref A Hi	[Maximum Speed]	
92	Speed Ref A Lo	0.0 Hz	
140	Accel Time 1	10.0 Secs	
142	Decel Time 1	10.0 Secs	
201	Language	Not Selected	
320	Anlg In Config	0	
321	Anlg In Sqr Root	0	
322	Analog In 1 Hi	10.0 Volt	
323	Analog In 1 Lo	0.0 Volt	
324	Analog In 1 Loss	Disabled	
361	Digital In1 Sel	Stop - CF	
362	Digital In2 Sel	Start	

Par	Parameter Name	Factory Default	Programmed Value
273	Drive Ramp Rslt	Read Only	
276	Logic Mask	1	
277	Start Mask	1	
278	Jog Mask	1	
279	Direction Mask	1	
280	Reference Mask	1	
281	Accel Mask	1	
282	Decel Mask	1	
283	Fault Clr Mask	1	
284	MOP Mask	1	
285	Local Mask	1	
288	Stop Owner	1	
289	Start Owner	1	
290	Jog Owner	1	
291	Direction Owner	1	
292	Reference Owner	1	
293	Accel Owner	1	
294	Decel Owner	1	
295	Fault Clr Owner	1	
296	MOP Owner	1	
297	Local Owner	1	
300	Data In A1	0	
301	Data In A2	0	
302	Data In B1	0	
303	Data In B2	0	
304	Data In C1	0	
305	Data In C2	0	
306	Data In D1	0	
307	Data In D2	0	
310	Data Out A1	0	
311	Data Out A2	0	
312	Data Out B1	0	
313	Data Out B2	0	
314	Data Out C1	0	
315	Data Out C2	0	
316	Data Out D1	0	
317	Data Out D2	0	
320	Anlg In Config	0	
321	Anlg In Sqr Root	0	
322	Analog In 1 Hi	10.0 Volt	
323	Analog In 1 Lo	0.0 Volt	
324	Analog In 1 Loss	Disabled	
325	Analog In 2 Hi	10.0 Volt	
326	Analog In 2 Lo	0.0 Volt	
327	Analog In 2 Loss	Disabled	
340	Anlg Out Config	1	
341	Anlg Out Absolut	1	
342	Analog Out1 Sel	Output Freq	
343	Analog Out1 Hi	10.00 Volt	
344	Analog Out1 Lo	0.00 Volt	
361	Digital In1 Sel	Stop - CF	
362	Digital In2 Sel	Start	
363	Digital In3 Sel	Auto/Manual	
364	Digital In4 Sel	Speed Sel 1	
365	Digital In5 Sel	Speed Sel 2	
366	Digital In6 Sel	Speed Set 3	
380	Digital Out1 Sel	Fault	
381	Dig Out1 Level	0.0	
382	Dig Out1 OnTime	0.00 Secs	
383	Dig Out1 OffTime	0.00 Secs	
384	Digital Out2 Sel	Run	
385	Dig Out2 Level	0.0	
386	Dig Out2 OnTime	0.00 Secs	
387	Dig Out2 OffTime	0.00 Secs	

Par	Parameter Name	Factory Default	Programmed Value
1	Output Freq	Read Only	
2	Commanded Freq	Read Only	
3	Output Current	Read Only	
4	Torque Current	Read Only	
5	Flux Current	Read Only	
6	Output Voltage	Read Only	
7	Output Power	Read Only	
8	Output Powr Fctr	Read Only	
9	Elapsed MWh	Read Only	
10	Elapsed Run Time	Read Only	
11	MOP Frequency	Read Only	
12	DC Bus Voltage	Read Only	
13	DC Bus Memory	Read Only	
16	Analog In1 Value	Read Only	
17	Analog In2 Value	Read Only	
26	Rated kW	Read Only	
27	Rated Volts	Read Only	
28	Rated Amps	Read Only	
29	Control SW Ver	Read Only	
40	Motor Type	Induction	
41	Motor NP Volts	Based on Drive Rating	
42	Motor NP FLA	Based on Drive Rating	
43	Motor NP Hertz	Based on Drive Cat. No.	
44	Motor NP RPM	1750 RPM	
45	Motor NP Power	Based on Drive Rating	
46	Mtr NP Pwr Units	Based on Drive Rating	
47	Motor OL Hertz	Motor NP Hz/3	
48	Motor OL Factor	1.00	
53	Torque Perf Mode	Sensris Vect	
54	Maximum Voltage	Drive Rated Volts	
55	Maximum Freq	110.0 or 130.0 Hz	
56	Compensation	1	
57	Flux Up Mode	Manual	
58	Flux Up Time	0.00 secs	
59	SV Boost Filter	500	
61	Autotune	Calculate	
62	IR Voltage Drop	Based on Drive Rating	
63	Flux Current Ref	Based on Drive Rating	
64	Ixo Voltage Drop	Based on Drive Rating	
69	Start/Acc Boost	Based on Drive Rating	
70	Run Boost	Based on Drive Rating	
71	Break Voltage	[Motor NP Volts] x 0.25	
72	Break Frequency	[Motor NP Freq] x 0.25	
80	Speed Mode	Open Loop	
81	Minimum Speed	0.0 Hz	
82	Maximum Speed	50.0 or 60.0 Hz (Depend on voltage class)	
83	Overspeed Limit	10.0 Hz	
84	Skip Frequency 1	0.0 Hz	
85	Skip Frequency 2	0.0 Hz	
86	Skip Frequency 3	0.0 Hz	
87	Skip Freq Band	0.0 Hz	
90	Speed Ref A Sel	Analog In 2	
91	Speed Ref A Hi	[Maximum Speed]	
92	Speed Ref A Lo	0.0 Hz	
93	Speed Ref B Sel	Preset Spd1	
94	Speed Ref B Hi	[Maximum Speed]	
95	Speed Ref B Lo	0.0 Hz	
96	TB Man Ref Sel	Analog In 1	
97	TB Man Ref Hi	[Maximum Speed]	
98	TB Man Ref Lo	0.0 Hz	
100	Jog Speed	10.0 Hz	
101	Preset Speed 1	5.0 Hz	
102	Preset Speed 2	10.0 Hz	
103	Preset Speed 3	20.0 Hz	

Par	Parameter Name	Factory Default	Programmed Value
104	Preset Speed 4	30.0 Hz	
105	Preset Speed 5	40.0 Hz	
106	Preset Speed 6	50.0 Hz	
107	Preset Speed 7	60.0 Hz	
117	Trim In Select	Analog In 2	
118	Trim Out Select	0	
119	Trim Hi	60.0 Hz	
120	Trim Lo	0.0 Hz	
121	Slip RPM @ FLA	Based on [Motor NP RPM]	
122	Slip Comp Gain	40.0	
123	Slip RPM Meter	Read Only	
124	PI Configuration	0	
125	PI Control	0	
126	PI Reference Sel	PI Setpoint	
127	PI Setpoint	50.00%	
128	PI Feedback Sel	Analog In 2	
129	PI Integral Time	2.00 Secs	
130	PI Prop Gain	1.00	
131	PI Lower Limit	-[Maximum Freq]	
132	PI Upper Limit	+[Maximum Freq]	
133	PI Preload	0.0 Hz	
134	PI Status	0	
135	PI Ref Meter	Read Only	
136	PI Fdback Meter	Read Only	
137	PI Error Meter	Read Only	
138	PI Output Meter	Read Only	
140	Accel Time 1	10.0 Secs	
141	Accel Time 2	10.0 Secs	
142	Decel Time 1	10.0 Secs	
143	Decel Time 2	10.0 Secs	
146	S-Curve %	0%	
147	Current Lmt Sel	Cur Lim Val	
148	Current Lmt Val	[Rated Amps] x 1.5	
149	Current Lmt Gain	250	
150	Drive OL Mode	Both-PWM 1st	
151	PWM Frequency	4 kHz	
155	Stop Mode A	Ramp	
156	Stop Mode B	Coast	
157	DC Brk Lvl Sel	DC Brake Lvl	
158	DC Brake Level	[Rated Amps]	
159	DC Brake Time	0.0 sec	
160	Bus Reg Ki	450	
161	Bus Reg Mode A	Adjust Freq	
162	Bus Reg Mode B	Both-Frq 1st	
163	DB Resistor Type	Internal Res	
164	Bus Reg Kp	500	
165	Bus Reg Kd	1000	
168	Start At PowerUp	Disabled	
169	Flying Start En	Disabled	
170	Flying StartGain	4000	
174	Auto Rstrt Tries	0	
175	Auto Rstrt Delay	1.0 Secs	
178	Sleep-Wake Mode	Disabled	
179	Sleep-Wake Ref	Analog In 2	
180	Wake Level	6.000 mA, 6.000 Volts	
181	Wake Time	1.0 Secs	
182	Sleep Level	5.000 mA, 5.000 Volts	
183	Sleep Time	1.0 Secs	
184	Power Loss Mode	Coast	
185	Power Loss Time	0.5 Secs	
186	Power Loss Level	Drive Rated Volts	
190	Direction Mode	Unipolar	
192	Save HIM Ref	1	
193	Man Ref Preload	Disabled	
194	Save MOP Ref	0	

Par	Parameter Name	Factory Default	Programmed Value
195	MOP Rate	1.0 Hz/s	
196	Param Access Lvl	Basic	
197	Reset To Defalts	Ready	
198	Load Frm Usr Set	Ready	
199	Save To User Set	Ready	
200	Reset Meters	Ready	
201	Language	Not Selected	
202	Voltage Class	Based on Drive Cat. No.	
203	Drive Checksum	Read Only	
209	Drive Status 1	0	
210	Drive Status 2	0	
211	Drive Alarm 1	0	
212	Drive Alarm 2	0	
213	Speed Ref Source	Read Only	
214	Start Inhibits	1	
215	Last Stop Source	Read Only	
216	Dig In Status	0	
217	Dig Out Status	0	
218	Drive Temp	Read Only	
219	Drive OL Count	Read Only	
220	Motor OL Count	Read Only	
224	Fault Frequency	Read Only	
225	Fault Amps	Read Only	
226	Fault Bus Volts	Read Only	
227	Status 1 @ Fault	0	
228	Status 2 @ Fault	0	
229	Alarm 1 @ Fault	0	
230	Alarm 2 @ Fault	0	
234	Testpoint 1 Sel	499	
235	Testpoint 1 Data	Read Only	
236	Testpoint 2 Sel	499	
237	Testpoint 2 Data	Read Only	
238	Fault Config 1	0	
240	Fault Clear	Ready	
241	Fault Clear Mode	Enabled	
242	Power Up Marker	Read Only	
243	Fault 1 Code	Read Only	
244	Fault 1 Time	Read Only	
245	Fault 2 Code	Read Only	
246	Fault 2 Time	Read Only	
247	Fault 3 Code	Read Only	
248	Fault 3 Time	Read Only	
249	Fault 4 Code	Read Only	
250	Fault 4 Time	Read Only	
251	Fault 5 Code	Read Only	
252	Fault 5 Time	Read Only	
253	Fault 6 Code	Read Only	
254	Fault 6 Time	Read Only	
255	Fault 7 Code	Read Only	
256	Fault 7 Time	Read Only	
257	Fault 8 Code	Read Only	
258	Fault 8 Time	Read Only	
259	Alarm Config 1	1	
261	Alarm Clear	Ready	
262	Alarm 1 Code	Read Only	
263	Alarm 2 Code	Read Only	
264	Alarm 3 Code	Read Only	
265	Alarm 4 Code	Read Only	
266	Alarm 5 Code	Read Only	
267	Alarm 6 Code	Read Only	
268	Alarm 7 Code	Read Only	
269	Alarm 8 Code	Read Only	
270	DPI Baud Rate	125 kbps	
271	Drive Logic Rslt	0	
272	Drive Ref Rslt	Read Only	

PowerFlex 700
Parameter Record

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	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
1	Output Freq	- [Maximum Freq]	+ [Maximum Freq]	Read Only	
2	Commanded Freq	- [Maximum Speed]	+ [Maximum Speed]	Read Only	
3	Output Current	0.0 Amps	Drive Rated Amps x 2	Read Only	
4	Torque Current	Drive Rating x -2	Drive Rating x +2	Read Only	
5	Flux Current	Drive Rating x -2	Drive Rating x +2	Read Only	
6	Output Voltage	0.0 VAC	Drive Rated Volts	Read Only	
7	Output Power	0.0 kW	Drive Rated kW x 2	Read Only	
8	Output Powr Fctr	0.00	1.00	Read Only	
9	Elapsed MWh	0.0 MWh	429496729.5 MWh	Read Only	
10	Elapsed Run Time	0.0 Hrs	429496729.5 Hrs	Read Only	
11	MOP Frequency	- [Maximum Frequency]	+ [Maximum Frequency]	Read Only	
12	DC Bus Voltage	Based on Drive Rating	Based on Drive Rating	Read Only	
13	DC Bus Memory	Based on Drive Rating	Based on Drive Rating	Read Only	
16	Analog In1 Value	0.000 mA -10.000V	20.000 mA +10.000V	Read Only	
17	Analog In2 Value	0.000 mA -10.000V	20.000 mA +10.000V	Read Only	
26	Rated kW	0.37 kW	15.0 kW	Read Only	
27	Rated Volts	Based on Drive Rating	Based on Drive Rating	Read Only	
28	Rated Amps	1.1 Amps	32.2 Amps	Read Only	
29	Control SW Ver	0.000	65.256	Read Only	
40	Motor Type		Induction	Induction	
			Synchr Reluc		
			Synchr PM		
41	Motor NP Volts	0.0 VAC	[Rated Volts]	Based on Drive Rating	
42	Motor NP FLA	0.0 Amps	[Rated Amps] x 2	Based on Drive Rating	
43	Motor NP Hertz	5.0 Hz	400.0 Hz	Based on Drive Cat. No.	
44	Motor NP RPM	60 RPM	24000 RPM	1750 RPM	
45	Motor NP Power	0.0	100.0	Based on Drive Rating	
46	Mtr NP Pwr Units		Horsepower	Based on Drive Rating	
			kiloWatts		
47	Motor OL Hertz	0.0 Hz	Motor NP Hz	Motor NP Hz/3	
48	Motor OL Factor	0.20	2.00	1.00	
53	Torque Perf Mode		Sensrls Vect	Sensris Vect	
			SV Economize		
			Custom V/Hz		
			Fan/Pmp V/Hz		
54	Maximum Voltage	Rated Volts x 0.25	Rated Volts x 1.0	Drive Rated Volts	
55	Maximum Freq	5.0 Hz	400.0 Hz	110.0 or 130.0 Hz	
56	Compensation		Reflect Wave	1	
			Enable Jerk	1	
57	Flux Up Mode		Manual	Manual	
			Automatic		
58	Flux Up Time	0.00 secs	5.00 secs	0.00 secs	
61	Autotune		Ready	Calculate	
			Static Tune		
			Rotate Tune		
			Calculate		
62	IR Voltage Drop	0.0 VAC	[Motor NP Volts] x 0.25	Based on Drive Rating	
63	Flux Current Ref	0.00 Amps	[Motor NP FLA]	Based on Drive Rating	
69	Start/Acc Boost	0.0 VAC	[Motor NP Volts] x 0.25	Based on Drive Rating	
70	Run Boost	0.0 VAC	[Motor NP Volts] x 0.25	Based on Drive Rating	
71	Break Voltage	0.0 VAC	[Motor NP Volts]	[Motor NP Volts] x 0.25	
72	Break Frequency	0.0 Hz	[Motor NP Freq]	[Motor NP Freq] x 0.25	
80	Speed Mode		Open Loop	Open Loop	
			Slip Comp		
			Process PI		
81	Minimum Speed	0.0 Hz	[Maximum Speed]	0.0 Hz	
82	Maximum Speed	5.0 Hz	400.0 Hz	50.0 or 60.0 Hz (Dependent on voltage class)	
83	Overspeed Limit	0.0 Hz	20.0 Hz	10.0 Hz	
84	Skip Frequency 1	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
85	Skip Frequency 2	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
86	Skip Frequency 3	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
87	Skip Freq Band	0.0 Hz	30.0 Hz	0.0 Hz	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
90	Speed Ref A Sel		Analog In 1	Analog In 2	
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Reserved		
			MOP Level		
			Reserved		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			Reserved		
			DPI Port 5		
91	Speed Ref A Hi	- [Maximum Speed]	+ [Maximum Speed]	[Maximum Speed]	
92	Speed Ref A Lo	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
93	Speed Ref B Sel		Analog In 1	Preset Spd1	
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Reserved		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			Reserved		
			DPI Port 5		
94	Speed Ref B Hi	- [Maximum Speed]	+ [Maximum Speed]	[Maximum Speed]	
95	Speed Ref B Lo	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
96	TB Man Ref Sel		Analog In 1	Analog In 1	
			Analog In 2		
			Reserved		
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
97	TB Man Ref Hi	- [Maximum Speed]	+ [Maximum Speed]	[Maximum Speed]	
98	TB Man Ref Lo	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
100	Jog Speed	- [Maximum Speed]	+ [Maximum Speed]	10.0 Hz	
101	Preset Speed 1	- [Maximum Speed]	+ [Maximum Speed]	5.0 Hz	
102	Preset Speed 2	- [Maximum Speed]	+ [Maximum Speed]	10.0 Hz	
103	Preset Speed 3	- [Maximum Speed]	+ [Maximum Speed]	20.0 Hz	
104	Preset Speed 4	- [Maximum Speed]	+ [Maximum Speed]	30.0 Hz	
105	Preset Speed 5	- [Maximum Speed]	+ [Maximum Speed]	40.0 Hz	
106	Preset Speed 6	- [Maximum Speed]	+ [Maximum Speed]	50.0 Hz	
107	Preset Speed 7	- [Maximum Speed]	+ [Maximum Speed]	60.0 Hz	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
117	Trim In Select		Analog In 1	Analog In 2	
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			DPI Port 4		
			DPI Port 5		
118	Trim Out Select		Trim Ref A	0	
			Trim Ref B	0	
119	Trim Hi	- [Maximum Speed]	+ [Maximum Speed]	60.0 Hz	
120	Trim Lo	- [Maximum Speed]	+ [Maximum Speed]	0.0 Hz	
121	Slip RPM @ FLA	0.0 RPM	1200.0 RPM	Based on [Motor NP RPM]	
122	Slip Comp Gain	1.0	100.0	40.0	
123	Slip RPM Meter	0.0 RPM	300.0 RPM	Read Only	
124	PI Configuration		Excl Mode	0	
			Invert Error	0	
			Preload Mode	0	
			Ramp Ref	0	
			Zero Clamp	0	
			Feedbak Sqrt	0	
125	PI Control		PI Enable	0	
			PI Hold	0	
			PI Reset	0	
126	PI Reference Sel		PI Setpoint	PI Setpoint	
			Analog In 1		
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Master Ref		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DIP Port 1		
			DPI Port 2		
			DPI Port 3		
			DPI Port 4		
			DPI Port 5		
127	PI Setpoint	-100.00% of Maximum Process Value	+ 100% of Maximum Process Value	50.00%	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
128	PI Feedback Sel		PI Setpoint	Analog In 2	
			Analog In 1		
			Analog In 2		
			Reserved		
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Master Ref		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DIP Port 1		
			DPI Port 2		
			DPI Port 3		
			DPI Port 4		
			DPI Port 5		
129	PI Integral Time	0.00 Secs	100.00 Secs	2.00 Secs	
130	PI Prop Gain	0.00	100.00	1.00	
131	PI Lower Limit	-400.0 Hz	+400.0 Hz	-[Maximum Freq]	
132	PI Upper Limit	-400.0 Hz	+400.0 Hz	+[Maximum Freq]	
133	PI Preload	-400.0 Hz	+400.0 Hz	0.0 Hz	
134	PI Status		PI Enabled	0	
			PI Hold	0	
			PI Reset	0	
			PI InLimit	0	
135	PI Ref Meter	-100.00 %	+100.00 %	Read Only	
136	PI Fdback Meter	-100.00 %	+100.00 %	Read Only	
137	PI Error Meter	-100.00 %	+100.00 %	Read Only	
138	PI Output Meter	-[Maximum Freq]	+[Maximum Freq]	Read Only	
140	Accel Time 1	0.1 Secs	3600.0 Secs	10.0 Secs	
141	Accel Time 2	0.1 Secs	3600.0 Secs	10.0 Secs	
142	Decel Time 1	0.1 Secs	3600.0 Secs	10.0 Secs	
143	Decel Time 2	0.1 Secs	3600.0 Secs	10.0 Secs	
146	S-Curve %	0%	100%	0%	
147	Current Lmt Sel		Cur Lim Val	Cur Lim Val	
			Analog In 1		
			Analog In 2		
148	Current Lmt Val	Based On Drive Rating	Based On Drive Rating	[Rated Amps] x 1.5	
149	Current Lmt Gain	0	5000	250	
150	Drive OL Mode		Disabled	Both-PWM 1st	
			Reduce CLim		
			Reduce PWM		
			Both-PWM 1st		
151	PWM Frequency	2 kHz	10 kHz	4 kHz	
155	Stop Mode A		Coast	Ramp	
			Ramp		
			Ramp to Hold		
			DC Brake		

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
156	Stop Mode B		Coast	Coast	
			Ramp		
			Ramp to Hold		
			DC Brake		
157	DC Brk Lvl Sel		DC Brake Lvl	DC Brake Lvl	
			Analog In 1		
			Analog In 2		
158	DC Brake Level	0.0 Amps	[Rated Amps] x 1.5	[Rated Amps]	
159	DC Brake Time	0.0 sec	90.0 sec	0.0 sec	
160	Bus Reg Ki	0	5000	450	
161	Bus Reg Mode A		Disabled	Adjust Freq	
			Adjust Freq		
			Dynamic Brak		
			Both-DB 1st		
			Both-Frq 1st		
162	Bus Reg Mode B		Disabled	Both-Frq 1st	
			Adjust Freq		
			Dynamic Brak		
			Both-DB 1st		
			Both-Frq 1st		
163	DB Resistor Type		Internal Res	Internal Res	
			External Res		
			None		
168	Start At PowerUp		Disabled	Disabled	
			Enabled		
169	Flying Start En		Disabled	Disabled	
			Enabled		
170	Flying StartGain	20	32767	4000	
174	Auto Rstrt Tries	0	9	0	
175	Auto Rstrt Delay	0.5 Secs	30.0 Secs	1.0 Secs	
184	Power Loss Mode		Coast	Coast	
			Decel		
185	Power Loss Time	0.0 Secs	60.0 Secs	0.5 Secs	
190	Direction Mode		Unipolar	Unipolar	
			Bipolar		
			Reverse Dis		
192	Save HIM Ref		At Powr Down	1	
193	Man Ref Preload		Disabled	Disabled	
			Enabled		
194	Save MOP Ref		At Powr Down	0	
			At Stop	0	
195	MOP Rate	0.2 Hz/s	[Maximum Freq]	1.0 Hz/s	
196	Param Access Lvl		Basic	Basic	
			Advanced		
197	Reset To Defalts		Ready	Ready	
			Factory		
			Low Voltage		
			High Voltage		
198	Load Frm Usr Set		Ready	Ready	
			User Set 1		
			User Set 2		
			User Set 3		
199	Save To User Set		Ready	Ready	
			User Set 1		
			User Set 2		
			User Set 3		
200	Reset Meters		Ready	Ready	
			MWh		
			Elapsed Time		
201	Language		Not Selected	Not Selected	
			English		
			Francais		
			Espanol		
			Italiano		
			Deutsch		
			Reserved		
			Portugues		
			Reserved		
			Reserved		
			Nederlands		
202	Voltage Class		Low Voltage	Based on Drive Cat. No.	
			High Voltage		
203	Drive Checksum	0	65535	Read Only	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
209	Drive Status 1		Ready	0	
			Active	0	
			Command Dir	1	
			Actual Dir	1	
			Accelerating	0	
			Decelerating	0	
			Alarm	0	
			Faulted	1	
			At Speed	0	
			Local ID 0	1	
			Local ID 1	1	
			Local ID 2	1	
			Spd Ref ID 0	0	
			Spd Ref ID 1	0	
			Spd Ref ID 2	0	
			Spd Ref ID 3	0	
210	Drive Status 2		Ready	0	
			Active	0	
			Running	0	
			Jogging	0	
			Stopping	0	
			DC Braking	0	
			Auto Tuning	0	
			Unused	X	
			AutoRst Ctdn	0	
			AutoRst Act	0	
			Curr Limit	0	
			Bus Freq Reg	0	
			Motor Overld	0	
			DPI at 500 k	0	
			Unused	X	
			Unused	X	
211	Drive Alarm 1		Prechrg Actv	0	
			UnderVoltage	0	
			Power Loss	0	
			Str At PwrUp	0	
			Anlg in Loss	0	
			IntDBRes OH	0	
			Unused	X	
			Drv OL Lvl 1	0	
			Drv OL Lvl 2	0	
			Decel Inhibt	0	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
212	Drive Alarm 2		DigIn CflctA	0	
			DigIn CflctB	0	
			DigIn CflctC	0	
			Bipolr Cflct	0	
			MtrTyp Cflct	0	
			NP Hz Cflct	0	
			MaxFrq Cflct	0	
			VHz NegSlope	0	
			IR Vlts Rang	0	
			FlxAmps Rang	0	
			SpdRef Cflct	0	
213	Speed Ref Source		PI Output	Read Only	
			Analog In 1		
			Analog In 2		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			Reserved		
			MOP Level		
			Jog Speed		
			Preset Spd1		
			Preset Spd2		
			Preset Spd3		
			Preset Spd4		
			Preset Spd5		
			Preset Spd6		
			Preset Spd7		
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			Reserved		
			DPI Port 5		
214	Start Inhibits		Faulted	1	
			Type 2 Alarm	0	
			Enable	0	
			DC Bus Pchrg	0	
			Stop Assertd	1	
			Params Reset	0	
			Startup Actv	0	
			Unused	X	
			Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
			Unused	X	
			Unused	X	
215	Last Stop Source		Pwr Removed	Read Only	
			DPI Port 1		
			DPI Port 2		
			DPI Port 3		
			Reserved		
			DPI Port 5		
			Reserved		
			Digital In		
			Fault		
			Not Enabled		
			Sleep		
			Jog		
216	Dig In Status		Digital In1	0	
			Digital In2	0	
			Digital In3	0	
			Digital In4	0	
			Digital In5	0	
			Digital In6	0	
217	Dig Out Status		Digital Out1	0	
			Digital Out2	0	
218	Drive Temp	0.0	100.00%	Read Only	
219	Drive OL Count	0.0	100.00%	Read Only	
220	Motor OL Count	0.0	100.00%	Read Only	
224	Fault Frequency	0.0	+[Maximum Freq]	Read Only	
225	Fault Amps	0.0 Amps	[Rated Amps] x 2	Read Only	
226	Fault Bus Volts	0.0 VDC	Max Bus Volts	Read Only	

PowerFlex 700 Parameter Record

Machine #	
Date programmed	
Drive Serial #	

Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
227	Status 1 @ Fault		Ready	0	
			Active	0	
			Command Dir	1	
			Actual Dir	1	
			Accelerating	0	
			Decelerating	0	
			Alarm	0	
			Faulted	1	
			At Speed	0	
			Local ID 0	1	
			Local ID 1	1	
			Local ID 2	1	
			Spd Ref ID 0	0	
			Spd Ref ID 1	0	
			Spd Ref ID 2	0	
			Spd Ref ID 3	0	
228	Status 2 @ Fault		Ready	0	
			Active	0	
			Running	1	
			Jogging	1	
			Stopping	0	
			DC Braking	0	
			AutoTuning	0	
			Unused	X	
			AutoRst Ctdn	0	
			Auto Rst Act	1	
			Curr Limit	1	
			Bus Freq Reg	1	
			Motor Overld	0	
			DPI at 500 k	0	
			Unused	X	
			Unused	X	
229	Alarm 1 @ Fault		Prechrg Actv	0	
			UnderVoltage	0	
			Power Loss	0	
			Str At PwrUp	0	
			Anlg In Loss	0	
			IntDBRes OH	0	
			Unused	X	
			Drv OL Lvl 1	0	
			Drv OL Lvl 2	0	
			Decel Inhibt	0	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
230	Alarm 2 @ Fault		DigIn CflctA	0	
			DigIn CflctB	0	
			DigIn CflctC	0	
			Bipolr Cflct	0	
			MtrTyp Cflct	0	
			NP Hz Cflct	0	
			MaxFrq Cflct	0	
			VHz NegSlope	0	
			IR Vlts Rang	0	
			FlxAmps Rang	0	
			SpdRef Cflct	0	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	
			Unused	X	
234	Testpoint 1 Sel	0	999	499	
235	Testpoint 1 Data	0	65535	Read Only	
236	Testpoint 2 Sel	0	999	499	
237	Testpoint 2 Data	0	65535	Read Only	
238	Fault Config 1		Power Loss	0	
			UnderVoltage	1	
			Unused	X	
			Motor OverLd	1	
			Shear Pin	0	
			AutRst Tries	0	
			Decel Inhibt	1	
240	Fault Clear		Ready	Ready	
			Clear Faults		
			Clr Flt Que		
241	Fault Clear Mode		Disabled	Enabled	
			Enabled		
242	Power Up Marker	0.0000 Hr	429496.7295 Hr	Read Only	
243	Fault 1 Code	0000	9999	Read Only	
244	Fault 1 Time	0.0000 Hr.	429496.7295 Hr.	Read Only	
245	Fault 2 Code	0000	9999	Read Only	
246	Fault 2 Time	0.0000 Hr.	429496.7295 Hr.	Read Only	
247	Fault 3 Code	0000	9999	Read Only	
248	Fault 3 Time	0.0000 Hr.	429496.7295 Hr.	Read Only	
249	Fault 4 Code	0000	9999	Read Only	
250	Fault 4 Time	0.0000 Hr.	429496.7295 Hr.	Read Only	
259	Alarm Config 1		Prechrg Actv	1	
			UnderVoltage	1	
			PowerLoss	1	
			Str At PwrUp	1	
			Anlg In Loss	1	
			IntDBRes OH	1	
			Unused	X	
			Drv OL Lvl 1	1	
			Drv OL Lvl 2	1	
			Decel Inhibt	1	
270	DPI Baud Rate		125 kbps	125 kbps	
			500 kbps		
271	Drive Logic Rslt		Stop	0	
			Start	0	
			Jog	1	
			Clear Fault	1	
			Forward	0	
			Reverse	0	
			Local Contrl	0	
			Mop Inc	1	
			Accel 1	0	
			Accel 2	1	
			Decel 1	1	
			Decel 2	1	
			Spd Ref ID 0	0	
			Spd Ref ID 1	0	
			Spd Ref ID 2	0	
			MOP Dec	0	
272	Drive Ref Rslt	0	32767	Read Only	
273	Drive Ramp Rslt	0	32767	Read Only	
276	Logic Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
277	Start Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
278	Jog Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
279	Direction Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
280	Reference Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
281	Accel Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
282	Decel Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
283	Fault Clr Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
284	MOP Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
285	Local Mask		Digital In	1	
			DPI Port 1	1	
			DPI Port 2	1	
			DPI Port 3	1	
			Unused	X	
			DPI Port 5	1	
288	Stop Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
289	Start Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
290	Jog Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
291	Direction Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
292	Reference Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
293	Accel Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
294	Decel Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
295	Fault Clr Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
296	MOP Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
297	Local Owner		Digital In	1	
			DPI Port 1	0	
			DPI Port 2	0	
			DPI Port 3	0	
			Unused	X	
			DPI Port 5	0	
300	Data In A1	0	387	0	
301	Data In A2	0	387	0	
302	Data In B1	0	387	0	
303	Data In B2	0	387	0	
304	Data In C1	0	387	0	
305	Data In C2	0	387	0	
306	Data In D1	0	387	0	
307	Data In D2	0	387	0	
310	Data Out A1	0	387	0	
311	Data Out A2	0	387	0	
312	Data Out B1	0	387	0	
313	Data Out B2	0	387	0	
314	Data Out C1	0	387	0	
315	Data Out C2	0	387	0	
316	Data Out D1	0	387	0	
317	Data Out D2	0	387	0	
320	Anlg In Config		Analog In 1	0	
			Analog In 2	0	
321	Anlg In Sqr Root		Analog In 1	0	
			Analog In 2	0	
322	Analog In 1 Hi	4.000 mA	20.000 mA	10.0 Volt	
		-10.0 V	+10.0 V		
		0.0V	10.0 V		
323	Analog In 1 Lo	4.000 mA	20.000 mA	0.0 Volt	
		-10.0V	+10.0V		
		0.0V	10.0V		
324	Analog In 1 Loss		Disabled	Disabled	
			Fault		
			Hold Input		
			Set Input Lo		
			Set Input Hi		
			Goto Preset1		
			Hold OutFreq		
325	Analog In 2 Hi	4.000 mA	20.000 mA	10.0 Volt	
		-10.0 V	+10.0 V		
		0.0	10.0 V		
326	Analog In 2 Lo	4.000 mA	20.000 mA	0.0 Volt	
		-10.0V	+10.0V		
		0.0V	10.0V		
327	Analog In 2 Loss		Disabled	Disabled	
			Fault		
			Hold Input		
			Set Input Lo		
			Set Input Hi		

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
			Goto Preset1		
			Hold OutFreq		
341	Anlg Out Absolut		Analog Out1	1	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
342	Analog Out1 Sel		Output Freq	Output Freq	
			Command Freq		
			Output Amps		
			Torque Amps		
			Flux Amps		
			Output Power		
			Output Volts		
			DC Bus Volts		
			PI Reference		
			PI Feedback		
			PI Error		
			PI Outout		
			%Motor OL		
			%Drive OL		
343	Analog Out1 Hi	0.00 Volt	10.00 Volt	10.00 Volt	
344	Analog Out1 Lo	0.00 Volt	10.00 Volt	0.00 Volt	
361	Digital In1 Sel		Not Used	Stop - CF	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		
362	Digital In2 Sel		Not Used	Start	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	Parameter Name	Minimum Value	Maximum Value	Factory Default	Programmed Value
363	Digital In3 Sel		Not Used	Auto/Manual	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
364	Digital In4 Sel		Not Used	Speed Sel 1	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		
365	Digital In5 Sel		Not Used	Speed Sel 2	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
366	Digital In6 Sel		Not Used	Speed Set 3	
			Enable		
			Clear Faults		
			Aux Fault		
			Stop - CF		
			Start		
			Fwd/Reverse		
			Run		
			Run Forward		
			Run Reverse		
			Jog		
			Jog Forward		
			Jog Reverse		
			Stop Mode B		
			Bus Reg MD B		
			Speed Sel 1		
			Speed Sel 2		
			Speed Sel 3		
			Auto/Manual		
			Local		
			Acc2 & Dec2		
			Accel 2		
			Decel 2		
			MOP Inc		
			MOP Dec		
			Excl Link		
			PI Enable		
			PI Hold		
			PI Reset		
380	Digital Out1 Sel		Fault	Fault	
			Alarm		
			Ready		
			Run		
			Forward Run		
			Reverse Run		
			Auto Restart		
			Powerup Run		
			At Speed		
			At Freq		
			At Current		
			At Torque		
			At Temp		
			At Bus Volts		
			At PI Error		
			DC Braking		
			Curr Limit		
			Economize		
			Motor Overld		
			Power Loss		
			Input 1 Link		
			Input 2 Link		
			Input 3 Link		
			Input 4 Link		
			Input 5 Link		
			Input 6 Link		
381	Dig Out1 Level	0.0	819.2	0.0	
382	Dig Out1 OnTime	0.00 Secs	600.00 Secs	0.00 Secs	
383	Dig Out1 OffTime	0.00 Secs	600.00 Secs	0.00 Secs	

	PowerFlex 700 Parameter Record				
	Machine #				
	Date programmed				
	Drive Serial #				
Par	**Parameter Name**	**Minimum Value**	**Maximum Value**	**Factory Default**	**Programmed Value**
384	Digital Out2 Sel		Fault	Run	
			Alarm		
			Ready		
			Run		
			Forward Run		
			Reverse Run		
			Auto Restart		
			Powerup Run		
			At Speed		
			At Freq		
			At Current		
			At Torque		
			At Temp		
			At Bus Volts		
			At PI Error		
			DC Braking		
			Curr Limit		
			Economize		
			Motor Overld		
			Power Loss		
			Input 1 Link		
			Input 2 Link		
			Input 3 Link		
			Input 4 Link		
			Input 5 Link		
			Input 6 Link		
385	Dig Out2 Level	0.0	819.2	0.0	
386	Dig Out2 OnTime	0.00 Secs	600.00 Secs	0.00 Secs	
387	Dig Out2 OffTime	0.00 Secs	600.00 Secs	0.00 Secs	