

CURTIS AC Motor Controller Parameter List

Model: 1230-2402

Vehicle Type: HANGCHA 2T Forklift

No.	Parameter		Min	Max	Default Value	Unit	Programmer Access Level	
							Read	Write
1	Vehicle							
2		Rates						
3		M1 Accel Rate	0.1	5	2	Seconds	User	User
4		M2 Accel Rate	0.1	5	2	Seconds	User	User
5		M1 Decel Rate	0.1	10	0.5	Seconds	User	User
6		M2 Decel Rate	0.1	10	0.5	Seconds	User	User
7		M1 Brake Rate	0.1	5	0.2	Seconds	User	User
8		M2 Brake Rate	0.1	5	0.2	Seconds	User	User
9		Fast Stop Rate	0.1	5	0.1	Seconds	OEM	OEM
10		Accel Release Rate	0	1	0	Seconds	OEM	OEM
11		Speeds						
12		M1 Min Speed	0	50	10	%	User	User
13		M2 Min Speed	0	50	10	%	User	User
14		M1 Max Speed	10	100	100	%	User	User
15		M2 Max Speed	10	100	100	%	User	User
16		Speed Limit Type	0	3	0		OEM	OEM
17		Multi Mode						
18		Mode Select Type	0	3	0		OEM	OEM
19		Coast Decel Rate	0.1	20	2	Seconds	User	User
20		Anti Tiedown	Off	On	Off		OEM	OEM
21		Throttle						
22		Throttle Type	1	5	2		OEM	OEM
23		Throttle Deadband	0	30	10	%	OEM	OEM
24		Throttle Max	40	100	90	%	User	User
25		Throttle Map	5	90	10	%	User	User

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26		Pot Low Check	Off	On	Off		OEM	OEM
27	Sequencing							
28		Interlock Normally Open	Off	On	On		OEM	OEM
29		Sequencing Delay	0	3	0.2	Seconds	OEM	OEM
30		SRO	0	3	0		OEM	OEM
31		HPD	0	2	0		OEM	OEM
32		Main Contactor Interlock Type	0	1	1		OEM	OEM
33		Main Contactor Open Delay	0	60	60	Seconds	OEM	OEM
34		Main Contactor Check	Off	On	On		OEM	OEM
35	Brake							
36		Brake Fault Check	Off	On	On		OEM	OEM
37		Brake Delay	0	10	0.8	Seconds	OEM	OEM
38		Brake Hold Voltage	0	100	60	%	OEM	OEM
39		Brake Driver Type	0	3	0		OEM	OEM
40		Anti Rollback Time	0	1000	50	ms	OEM	OEM
41	Emergency Reverse							
42		Wiring Check	Off	On	Off		OEM	OEM
43		Speed	10	100	100	%	OEM	OEM
44		Direction Interlock	Off	On	On		OEM	OEM
45		Time Limit	0	10	5	Seconds	OEM	OEM
46		Accel Rate	0.1	5	0.1	Seconds	OEM	OEM
47		Switch Normally Closed	Off	On	Off		OEM	OEM
48	Motor							
49		Min Motor Voltage	0	6	0.2	Volt	OEM	OEM
50		Nominal Motor Voltage	7	30	16	Volt	OEM	OEM

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51		Nominal Motor Frequency	20	400	90	Hz	OEM	OEM
52		Max Motor Speed	1000	10000	2600	rpm	OEM	OEM
53		Current Limit	100	250	200	Ampere	OEM	OEM
54		Current Limit PGain	0	100	25	%	OEM	OEM
55		Current Limit IGain	0	100	10	%	OEM	OEM
56		Number of Motor Poles	2	8	4		OEM	OEM
57		Encoder Pulses per Rev.	32	128	48		OEM	OEM
58		Swap Encoder Direction	Off	On	Off		OEM	OEM
59		Failsafe Delay	2	20	20	Seconds	OEM	OEM
60	Control							
61		P Gain	0	1	0.1		OEM	OEM
62		I Gain	0	1.5	0.1		OEM	OEM
63		Accel Slip	1	10	8	Hz	OEM	OEM
64		Regen Slip	1	10	6.4	Hz	OEM	OEM
65		Slip Boost	0	10	1		OEM	OEM
66		Pull-Out Slip	8	50	16.5	Hz	OEM	OEM
67		Accel Slip Voltage	0	10	5	Volt	OEM	OEM
68		Accel Comp	0	5	1		OEM	OEM
69		Regen Slip Voltage	0	5	0.5	Volt	OEM	OEM
70		Regen Comp	0	5	3		OEM	OEM
71		Regen Voltage Offset	0	5	0.1	Volt	OEM	OEM
72	System							
73		Battery						
74		Full Battery Voltage	1.7	2.08	2.02	Volt	OEM	OEM

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75		Empty Battery Voltage	0.9	2.01	1.69	Volt	OEM	OEM
76		BDI Reset Battery Voltage	2.03	3	2.09	Volt	OEM	OEM
77		Battery Recharge Level	20	50	30	%	OEM	OEM
78		Low Voltage Level	1.33	2	1.33	Volt	OEM	OEM
79	Hourmeter							
80		Enable Total Service Hours	Off	On	Off		OEM	OEM
81		Enable Drive Service Hours	Off	On	Off		OEM	OEM
82		Adjust Hours	0	999999	0	Hours	OEM	OEM
83		Set Total Hours	Off	On	Off		OEM	OEM
84		Set Drive Hours	Off	On	Off		OEM	OEM
85		Total Service Hours	100	5000	5000	Hours	OEM	OEM
86		Drive Service Hours	100	5000	5000	Hours	OEM	OEM
87		Total Disable Hours	0	500	10	Hours	OEM	OEM
88		Drive Disable Hours	0	500	10	Hours	OEM	OEM
89		Drive Disable Speed	0	100	20	%	OEM	OEM
90		Service Total Expired	Off	On	Off		Service	Service
91		Service Drive Expired	Off	On	Off		Service	Service
92		Power Save Delay	0	240	0	Minutes	OEM	OEM
93		Inhibit Input Type	0	2	0		OEM	OEM
94		Fault Code	Off	On	On		OEM	OEM