

CURTIS DC Permanent Magnet Motor Controller Parameter List

Model: 1212-2401

Menu	Value	Min	Max	Unit	Read Access	Write Access
Drive						
Accel Max Speed	1.5	0.2	5.1	Seconds	User	User
Accel Min Speed	5.1	1.5	8	Seconds	User	User
Decel High Speed	1.5	0.2	5.1	Seconds	OEM	OEM
Decel Low Speed	5.1	1.5	8	Seconds	OEM	OEM
Rev Accel Max Speed	1.5	0.2	5.1	Seconds	User	User
Rev Accel Min Speed	5.1	1.5	8	Seconds	User	User
Rev Decel High Speed	1.5	0.2	5.1	Seconds	OEM	OEM
Rev Decel Low Speed	5.1	1.5	8	Seconds	OEM	OEM
Keyoff Decel	0.7	0.2	4	Seconds	OEM	OEM
E Stop Decel	0.7	0.2	4	Seconds	OEM	OEM
E Stop Pause	0.5	0	1	Seconds	OEM	OEM
Soft Start	25	0	100	%	OEM	OEM
Gear Soften	15	0	100	%	OEM	OEM
Creep Speed	7	0	10	%	OEM	OEM
Push Max Speed	35	25	50	%	OEM	OEM
Soft Stop Speed	13	0	30	%	OEM	OEM
Speed						
Mode 1						
Max Speed	100	20	100	%	User	User
Min Speed	20	0	100	%	User	User
Rev Max Speed	60	10	100	%	User	User
Rev Min Speed	10	0	60	%	User	User
Mode 2						
Max Speed	100	20	100	%	User	User
Min Speed	20	0	100	%	User	User
Rev Max Speed	60	10	100	%	User	User
Rev Min Speed	10	0	60	%	User	User
Throttle						
Type	7	0	9		OEM	OEM
PotHigh	5	3	5	Volt	OEM	OEM
PotLow	0	0	2	Volt	OEM	OEM
Neutral Deadband	10	5	30	%	OEM	OEM
Throttle Max	90	40	100	%	OEM	OEM
HPD	On	Off	On		OEM	OEM
Speed Limit Pot	Off	Off	On		OEM	OEM
Throttle Map	50	20	80	%	OEM	OEM
Tremor Suppression	50	0	100	%	OEM	OEM
Calibration	Off	Off	On		User	User
Current						
Main Current Limit	70	15	70	Ampere	OEM	OEM
Braking Current Limit	70	15	70	Ampere	OEM	OEM
Boost Current	75	70	80	Ampere	OEM	OEM

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Boost Time	5	0	10	Seconds	OEM	OEM
Inhibit						
Type	0	0	5		OEM	OEM
Speed	0	0	100	%	OEM	OEM
Brake						
Delay	0.3	0	1	Seconds	OEM	OEM
Fault Check	On	Off	On		OEM	OEM
Hold Voltage	18	10	24	Volt	OEM	OEM
Brake Light	Off	Off	On		OEM	OEM
Horn						
Fault Beep	Off	Off	On		OEM	OEM
Reverse Beep	On	Off	On		OEM	OEM
Beep Constant	Off	Off	On		OEM	OEM
Motor						
System Resistance	151	0	800	mOhms	OEM	OEM
Resistance Auto Comp	On	Off	On		OEM	OEM
Auto Comp Current Limit	20	5	50	%	OEM	OEM
Speed Scaler	24	20	27	Volt	OEM	OEM
Current Rating	20	0	70	Ampere	OEM	OEM
Max Current Time	60	0	120	Seconds	OEM	OEM
Cutback Gain	20	0	100	%	OEM	OEM
BDI						
Full Voltage	24.5	21	25	Volt	OEM	OEM
Empty Voltage	20.9	0	24.4	Volt	OEM	OEM
Full Charge Voltage	28.2	25.3	36	Volt	OEM	OEM
Start Charge Voltage	25.2	24.6	28.1	Volt	OEM	OEM
Reset Voltage	25.1	24.6	36	Volt	OEM	OEM
Discharge Factor	2	0.1	10		OEM	OEM
Charge Factor	2	0.1	10		OEM	OEM
Low BDI Level	0	0	100	%	OEM	OEM
Low BDI Max Speed	50	10	100	%	OEM	OEM
Compensation						
IR Comp	70	0	91	%	OEM	OEM
Anti Rollback Comp	91	70	125	%	OEM	OEM
Misc						
Sleep	10	0	60	Minutes	OEM	OEM
Fault Code Type	0	0	2		OEM	OEM
Reset Drive Time	Off	Off	On		OEM	OEM