



EV & Forklift Parts

**CURTIS DC Permanent Magnet Motor Controller Parameter List**

**Model: 1212P-2501 & 1212P-2502**

Menu	Value	Min	Max	Unit	Read Access	Write Access
<b>Drive</b>						
Accel Max Speed	1.5	0.2	5	Seconds	User	User
Accel Min Speed	5	1.5	8	Seconds	User	User
Decel High Speed	0.6	0.2	1.5	Seconds	OEM	OEM
Decel Low Speed	1.5	0.6	8	Seconds	OEM	OEM
Rev Accel Max Speed	1.5	0.2	5	Seconds	User	User
Rev Accel Min Speed	5	1.5	8	Seconds	User	User
Rev Decel High Speed	0.5	0.2	1.5	Seconds	OEM	OEM
Rev Decel Low Speed	1.5	0.5	8	Seconds	OEM	OEM
Keyoff Decel	0.7	0.2	4	Seconds	OEM	OEM
E Stop Decel	0.6	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
Soft Stop Speed	13	0	30	%	OEM	OEM
<b>Speed</b>						
<b>Mode 1</b>						
Max Speed	100	20	100	%	User	User
Min Speed	20	0	100	%	User	User
Rev Max Speed	100	10	100	%	User	User
Rev Min Speed	10	0	100	%	User	User
<b>Mode 2</b>						
Max Speed	30	20	100	%	User	User
Min Speed	20	0	30	%	User	User
Rev Max Speed	30	10	100	%	User	User
Rev Min Speed	10	0	30	%	User	User
<b>Throttle</b>						
Type	7	0	9		OEM	OEM
Neutral Input	Off	Off	On		OEM	OEM
PotHigh	5	3	5	Volt	OEM	OEM
PotLow	0	0	2	Volt	OEM	OEM
Neutral Deadband	5	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
<b>Current</b>						
Main Current Limit	90	15	90	Ampere	OEM	OEM
Braking Current Limit	90	15	90	Ampere	OEM	OEM
Boost Current	90	90	90	Ampere	OEM	OEM
Boost Time	0	0	10	Seconds	OEM	OEM
<b>Inhibit</b>						
Type	2	0	5		OEM	OEM
Speed	0	0	100	%	OEM	OEM

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Menu	Value	Min	Max	Unit	Read Access	Write Access
<b>Brake</b>						
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
<b>Horn</b>						
Reverse Beep	On	Off	On		OEM	OEM
Beep Constant	Off	Off	On		OEM	OEM
<b>Motor</b>						
System Resistance	74	0	800	mOhms	OEM	OEM
Resistance Auto Comp	On	Off	On		OEM	OEM
Auto Comp Current Limit	20	5	50	%	OEM	OEM
Speed Scaler	27	20	27	Volt	OEM	OEM
Current Rating	25	0	35	Ampere	OEM	OEM
Max Current Time	120	0	120	Seconds	OEM	OEM
Cutback Gain	0	0	100	%	OEM	OEM
<b>BDI</b>						
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	40	0	100	%	OEM	OEM
Low BDI Max Speed	15	10	100	%	OEM	OEM
External Lift Lockout	Off	Off	On		OEM	OEM
Lift Lockout Enable	Off	Off	On		OEM	OEM
Lift Lockout Threshold	0	0	50	%	OEM	OEM
Lift Lockout Output Type	1	0	1		OEM	OEM
<b>Compensation</b>						
IR Comp	70	0	90	%	OEM	OEM
Anti Rollback Comp	90	70	125	%	OEM	OEM
<b>Emergency Reverse</b>						
Speed	60	10	100	%	OEM	OEM
Time Limit	3	0	10	Seconds	OEM	OEM
Decel Rate	0.6	0.2	4	Seconds	OEM	OEM
Accel Rate	0.4	0.2	8	Seconds	OEM	OEM
Max Braking Current	90	15	90	Ampere	OEM	OEM
Switch Normally Closed	Off	Off	On		OEM	OEM
EMR Interlock	Off	Off	On		OEM	OEM
<b>Misc</b>						
Sleep	0	0	60	Minutes	OEM	OEM
Reset Drive Time	Off	Off	On		OEM	OEM
Emergency Stop	On	Off	On		OEM	OEM
Pump SRO	Off	Off	On		OEM	OEM

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