

CURTIS DC Permanent Magnet Motor Speed Controller Parameter List
Model: 1229-3105

Menu	Value	Min	Max	Unit	Read Access	Write Access
Speed Mode						
Mode 1						
Max Speed	50	0	100	%	OEM	OEM
Min Speed	5	0	100	%	OEM	OEM
Rev Max Speed	25	0	100	%	OEM	OEM
Rev Min Speed	3	0	100	%	OEM	OEM
Accel High Speed	4	0.1	30	Seconds	OEM	OEM
Accel Low Speed	8	0.1	30	Seconds	OEM	OEM
Decel High Speed	2	0.1	30	Seconds	OEM	OEM
Decel Low Speed	4	0.1	30	Seconds	OEM	OEM
Rev Accel High Speed	8	0.1	30	Seconds	OEM	OEM
Rev Accel Low Speed	12	0.1	30	Seconds	OEM	OEM
Rev Decel High Speed	2	0.1	30	Seconds	OEM	OEM
Rev Decel Low Speed	4	0.1	30	Seconds	OEM	OEM
Brake Decel High Speed	2	0.1	30	Seconds	OEM	OEM
Brake Decel Low Speed	5	0.1	30	Seconds	OEM	OEM
Mode 2						
Max Speed	100	0	100	%	OEM	OEM
Min Speed	10	0	100	%	OEM	OEM
Rev Max Speed	50	0	100	%	OEM	OEM
Rev Min Speed	5	0	100	%	OEM	OEM
Accel High Speed	2	0.1	30	Seconds	OEM	OEM
Accel Low Speed	4	0.1	30	Seconds	OEM	OEM
Decel High Speed	3	0.1	30	Seconds	OEM	OEM
Decel Low Speed	3	0.1	30	Seconds	OEM	OEM
Rev Accel High Speed	3	0.1	30	Seconds	OEM	OEM
Rev Accel Low Speed	6	0.1	30	Seconds	OEM	OEM
Rev Decel High Speed	3	0.1	30	Seconds	OEM	OEM
Rev Decel Low Speed	3	0.1	30	Seconds	OEM	OEM
Brake Decel High Speed	2	0.1	30	Seconds	OEM	OEM
Brake Decel Low Speed	5	0.1	30	Seconds	OEM	OEM
Interlock Decel High Speed	2	0.1	30	Seconds	OEM	OEM
Interlock Decel Low Speed	5	0.1	30	Seconds	OEM	OEM
Quick Stop Decel	2	0.1	30	Seconds	OEM	OEM
Quick Stop Pause	0.5	0	1	Seconds	OEM	OEM
E Stop Decel	2	0.1	30	Seconds	OEM	OEM
Soft Start	25	0	100	%	OEM	OEM
Soft Stop Decel	1	0.1	30	Seconds	OEM	OEM
Fine Tuning						
High Speed	60	0	100	%	OEM	OEM
Low Speed	20	0	100	%	OEM	OEM
Soft Stop Speed	5	0	100	%	OEM	OEM
IO Map						
Switches						
1-Switch 1						
On Delay	0	0	30	Seconds	OEM	OEM
Off Delay	0	0	30	Seconds	OEM	OEM

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Menu	Value	Min	Max	Unit	Read Access	Write Access
Normally Closed	Off	Off	On		OEM	OEM
2-Switch 2						
On Delay	0	0	30	Seconds	OEM	OEM
Off Delay	0	0	30	Seconds	OEM	OEM
Normally Closed	Off	Off	On		OEM	OEM
3-Switch 3						
On Delay	0	0	30	Seconds	OEM	OEM
Off Delay	0	0	30	Seconds	OEM	OEM
Normally Closed	Off	Off	On		OEM	OEM
4-Switch 4						
On Delay	0	0	30	Seconds	OEM	OEM
Off Delay	0	0	30	Seconds	OEM	OEM
Normally Closed	Off	Off	On		OEM	OEM
5-Switch 5						
On Delay	0	0	30	Seconds	OEM	OEM
Off Delay	0	0	30	Seconds	OEM	OEM
Normally Closed	Off	Off	On		OEM	OEM
Toggle						
6-Toggle 1						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
7-Toggle 2						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
8-Toggle 3						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
9-Toggle 4						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
10-Toggle 5						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
Pots						
11-Pot 1						
Max	4.5	0	5	Volt	OEM	OEM
Min	0.5	0	5	Volt	OEM	OEM
Fault High	5.5	0	5.5	Volt	OEM	OEM
Fault Low	0	0	5.5	Volt	OEM	OEM
Fault Action	0	0	3		OEM	OEM
12-Pot 2						
Max	4.5	0	5	Volt	OEM	OEM
Min	0.5	0	5	Volt	OEM	OEM
Fault High	5.5	0	5.5	Volt	OEM	OEM
Fault Low	0	0	5.5	Volt	OEM	OEM
Fault Action	0	0	3		OEM	OEM
13-Pot 3						

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Menu	Value	Min	Max	Unit	Read Access	Write Access
Max	4.5	0	5	Volt	OEM	OEM
Min	0.5	0	5	Volt	OEM	OEM
Fault High	5.5	0	5.5	Volt	OEM	OEM
Fault Low	0	0	5.5	Volt	OEM	OEM
Fault Action	0	0	3		OEM	OEM
Thresholds						
14-Threshold 1						
Input	0	0	120		OEM	OEM
On Threshold	50	0	100	%	OEM	OEM
Off Threshold	25	0	100	%	OEM	OEM
15-Threshold 2						
Input	0	0	120		OEM	OEM
On Threshold	50	0	100	%	OEM	OEM
Off Threshold	25	0	100	%	OEM	OEM
16-Threshold 3						
Input	0	0	120		OEM	OEM
On Threshold	50	0	100	%	OEM	OEM
Off Threshold	25	0	100	%	OEM	OEM
17-Threshold 4						
Input	0	0	120		OEM	OEM
On Threshold	50	0	100	%	OEM	OEM
Off Threshold	25	0	100	%	OEM	OEM
Debounce						
18-Debounce 1						
Input	0	0	120		OEM	OEM
On Delay	0.5	0	30	Seconds	OEM	OEM
Off Delay	0.5	0	30	Seconds	OEM	OEM
19-Debounce 2						
Input	0	0	120		OEM	OEM
On Delay	0.5	0	30	Seconds	OEM	OEM
Off Delay	0.5	0	30	Seconds	OEM	OEM
20-Debounce 3						
Input	0	0	120		OEM	OEM
On Delay	0.5	0	30	Seconds	OEM	OEM
Off Delay	0.5	0	30	Seconds	OEM	OEM
21-Debounce 4						
Input	0	0	120		OEM	OEM
On Delay	0.5	0	30	Seconds	OEM	OEM
Off Delay	0.5	0	30	Seconds	OEM	OEM
Timers						
22-Timer 1						
Time	5	0	240	Seconds	OEM	OEM
Trigger Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
23-Timer 2						
Time	5	0	240	Seconds	OEM	OEM
Trigger Input	0	0	120		OEM	OEM

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Menu	Value	Min	Max	Unit	Read Access	Write Access
Enable Input	0	0	120		OEM	OEM
24-Timer 3						
Time	5	0	240	Seconds	OEM	OEM
Trigger Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
25-Timer 4						
Time	5	0	240	Seconds	OEM	OEM
Trigger Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
Bit masks						
26-Bit Mask 1						
Input	0	0	120		OEM	OEM
Bit	0	0	15		OEM	OEM
27-Bit Mask 2						
Input	0	0	120		OEM	OEM
Bit	0	0	15		OEM	OEM
28-Bit Mask 3						
Input	0	0	120		OEM	OEM
Bit	0	0	15		OEM	OEM
29-Bit Mask 4						
Input	0	0	120		OEM	OEM
Bit	0	0	15		OEM	OEM
30-Bit Mask 5						
Input	0	0	120		OEM	OEM
Bit	0	0	15		OEM	OEM
31-Bit Mask 6						
Input	0	0	120		OEM	OEM
Bit	0	0	15		OEM	OEM
32-Bit Mask 7						
Input	0	0	120		OEM	OEM
Bit	0	0	15		OEM	OEM
33-Bit Mask 8						
Input	0	0	120		OEM	OEM
Bit	0	0	15		OEM	OEM
Wig Wag						
34/35-Wig Wag 1						
Input	0	0	120		OEM	OEM
Forward Min	55	0	100	%	OEM	OEM
Forward Max	95	0	100	%	OEM	OEM
Reverse Min	45	0	100	%	OEM	OEM
Reverse Max	5	0	100	%	OEM	OEM
36/37-Wig Wag 2						
Input	0	0	120		OEM	OEM
Forward Min	55	0	100	%	OEM	OEM
Forward Max	95	0	100	%	OEM	OEM
Reverse Min	45	0	100	%	OEM	OEM
Reverse Max	5	0	100	%	OEM	OEM

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38/39-Wig Wag 3						
Input	0	0	120		OEM	OEM
Forward Min	55	0	100	%	OEM	OEM
Forward Max	95	0	100	%	OEM	OEM
Reverse Min	45	0	100	%	OEM	OEM
Reverse Max	5	0	100	%	OEM	OEM
Speed Sensor						
40-Vehicle Speed						
Encoder Enable	Off	Off	On		OEM	OEM
Limit Max Speed	Off	Off	On		OEM	OEM
Pulses/Rev	64	1	1024		OEM	OEM
Max Speed	6000	100	20000	rpm	OEM	OEM
Logic Gates						
41-Logic Gate 1						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM
Output-	On	Off	On		OEM	OEM
42-Logic Gate 2						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM
Output-	On	Off	On		OEM	OEM
43-Logic Gate 3						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM
Output-	On	Off	On		OEM	OEM
44-Logic Gate 4						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM
Output-	On	Off	On		OEM	OEM
45-Logic Gate 5						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM

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Output-	On	Off	On		OEM	OEM
46-Logic Gate 6						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM
Output-	On	Off	On		OEM	OEM
47-Logic Gate 7						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM
Output-	On	Off	On		OEM	OEM
48-Logic Gate 8						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM
Output-	On	Off	On		OEM	OEM
49-Logic Gate 9						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM
Output-	On	Off	On		OEM	OEM
50-Logic Gate 10						
and/or/xor	3	1	3		OEM	OEM
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Input 1-	On	Off	On		OEM	OEM
Input 2-	On	Off	On		OEM	OEM
Output-	On	Off	On		OEM	OEM
Filters						
51-Low-Pass 1						
Input	0	0	120		OEM	OEM
Frequency	2	2	125	Hz	OEM	OEM
52-Low-Pass 2						
Input	0	0	120		OEM	OEM
Frequency	2	2	125	Hz	OEM	OEM
53-Low-Pass 3						
Input	0	0	120		OEM	OEM
Frequency	2	2	125	Hz	OEM	OEM
Maps						

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Menu	Value	Min	Max	Unit	Read Access	Write Access
54-Map 1						
Input	0	0	120		OEM	OEM
X1	0	0	100	%	OEM	OEM
Y1	0	0	100	%	OEM	OEM
X2	25	0	100	%	OEM	OEM
Y2	25	0	100	%	OEM	OEM
X3	50	0	100	%	OEM	OEM
Y3	50	0	100	%	OEM	OEM
X4	75	0	100	%	OEM	OEM
Y4	75	0	100	%	OEM	OEM
X5	100	0	100	%	OEM	OEM
Y5	100	0	100	%	OEM	OEM
55-Map 2						
Input	0	0	120		OEM	OEM
X1	0	0	100	%	OEM	OEM
Y1	0	0	100	%	OEM	OEM
X2	25	0	100	%	OEM	OEM
Y2	25	0	100	%	OEM	OEM
X3	50	0	100	%	OEM	OEM
Y3	50	0	100	%	OEM	OEM
X4	75	0	100	%	OEM	OEM
Y4	75	0	100	%	OEM	OEM
X5	100	0	100	%	OEM	OEM
Y5	100	0	100	%	OEM	OEM
56-Map 3						
Input	0	0	120		OEM	OEM
X1	0	0	100	%	OEM	OEM
Y1	0	0	100	%	OEM	OEM
X2	25	0	100	%	OEM	OEM
Y2	25	0	100	%	OEM	OEM
X3	50	0	100	%	OEM	OEM
Y3	50	0	100	%	OEM	OEM
X4	75	0	100	%	OEM	OEM
Y4	75	0	100	%	OEM	OEM
X5	100	0	100	%	OEM	OEM
Y5	100	0	100	%	OEM	OEM
PWM						
57-PWM 1						
Input	0	0	120		OEM	OEM
Pull-in	100	0	100	%	OEM	OEM
Pull-in Time	0.2	0	30	Seconds	OEM	OEM
Holding	60	0	100	%	OEM	OEM
58-PWM 2						
Input	0	0	120		OEM	OEM
Pull-in	100	0	100	%	OEM	OEM
Pull-in Time	0.2	0	30	Seconds	OEM	OEM
Holding	60	0	100	%	OEM	OEM

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59-PWM 3						
Input	0	0	120		OEM	OEM
Pull-in	100	0	100	%	OEM	OEM
Pull-in Time	0.2	0	30	Seconds	OEM	OEM
Holding	60	0	100	%	OEM	OEM
60-PWM 4						
Input	0	0	120		OEM	OEM
Pull-in	100	0	100	%	OEM	OEM
Pull-in Time	0.2	0	30	Seconds	OEM	OEM
Holding	60	0	100	%	OEM	OEM
61-PWM 5						
Input	0	0	120		OEM	OEM
Pull-in	100	0	100	%	OEM	OEM
Pull-in Time	0.2	0	30	Seconds	OEM	OEM
Holding	60	0	100	%	OEM	OEM
Position Control						
62/63-Position						
Input+	0	0	120		OEM	OEM
Input-	0	0	120		OEM	OEM
Enable input	0	0	120		OEM	OEM
Kp	20	0	100	%	OEM	OEM
Correlation Check						
70-Correlate						
Input 1	0	0	120		OEM	OEM
Input 2	0	0	120		OEM	OEM
Tolerance	5	0	50	%	OEM	OEM
Inhibit						
71-Inhibit Input	0	0	120		OEM	OEM
Slew Limiters						
73-Slew Limit 1						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
Rate Up	5	0.1	30	Seconds	OEM	OEM
Rate Dn	5	0.1	30	Seconds	OEM	OEM
74-Slew Limit 2						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
Rate Up	5	0.1	30	Seconds	OEM	OEM
Rate Dn	5	0.1	30	Seconds	OEM	OEM
75-Slew Limit 3						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
Rate Up	5	0.1	30	Seconds	OEM	OEM
Rate Dn	5	0.1	30	Seconds	OEM	OEM
76-Slew Limit 4						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM

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Menu	Value	Min	Max	Unit	Read Access	Write Access
Rate Up	5	0.1	30	Seconds	OEM	OEM
Rate Dn	5	0.1	30	Seconds	OEM	OEM
Voltage Comp						
77-Voltage Comp 1						
Input	0	0	120		OEM	OEM
Max Voltage	24	0	48	Volt	OEM	OEM
78-Voltage Comp 2						
Input	0	0	120		OEM	OEM
Max Voltage	24	0	48	Volt	OEM	OEM
79-Voltage Comp 3						
Input	0	0	120		OEM	OEM
Max Voltage	24	0	48	Volt	OEM	OEM
80-Voltage Comp 4						
Input	0	0	120		OEM	OEM
Max Voltage	24	0	48	Volt	OEM	OEM
Outputs						
81-Driver 2						
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
Fault Check	On	Off	On		OEM	OEM
82-Driver 3						
Disabled/Low Side	0	0	1		OEM	OEM
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
83-Driver 4						
Disabled/Low Side	0	0	1		OEM	OEM
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
84-Driver 5						
Disabled/Low Side	0	0	1		OEM	OEM
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
85-Driver 6						
Disabled/Low Side/High Side	0	0	3		OEM	OEM
Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
86-Driver 3/4 Actuator						
Enabled	Off	Off	On		OEM	OEM
Input	0	0	120		OEM	OEM
Rev Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
Accel	5	0.1	30	Seconds	OEM	OEM
Decel	5	0.1	30	Seconds	OEM	OEM
Stop Current	10	1	10	Ampere	OEM	OEM
Stop Current Time	10	0	30	Seconds	OEM	OEM
Battery Voltage Comp	On	Off	On		OEM	OEM
87-Driver 5/6 Actuator						

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Enabled	Off	Off	On		OEM	OEM
Input	0	0	120		OEM	OEM
Rev Input	0	0	120		OEM	OEM
Enable Input	0	0	120		OEM	OEM
Accel	5	0.1	30	Seconds	OEM	OEM
Decel	5	0.1	30	Seconds	OEM	OEM
Stop Current	10	1	10	Ampere	OEM	OEM
Stop Current Time	10	0	30	Seconds	OEM	OEM
Battery Voltage Comp	On	Off	On		OEM	OEM
88/89-Driver 3/4/5 Dual Actuator						
Enabled	Off	Off	On		OEM	OEM
Input A	0	0	120		OEM	OEM
Input B	0	0	120		OEM	OEM
Rev Input	0	0	120		OEM	OEM
Enable A Input	0	0	120		OEM	OEM
Enable B Input	0	0	120		OEM	OEM
Accel	5	0.1	30	Seconds	OEM	OEM
Decel	5	0.1	30	Seconds	OEM	OEM
Simultaneous Enable	On	Off	On		OEM	OEM
Stop Current	10	1	10	Ampere	OEM	OEM
Stop Current Time	10	0	30	Seconds	OEM	OEM
Battery Voltage Comp	On	Off	On		OEM	OEM
Push						
90-Push Input	0	0	120		OEM	OEM
Speed Limit	36	0	45	Volt	OEM	OEM
Throttle and Interlock						
91-Throttle						
Input	11	0	120		OEM	OEM
Enable Input	100	0	120		OEM	OEM
Forward Deadband	5	0	100	%	OEM	OEM
Forward Max	95	0	100	%	OEM	OEM
Forward 0% Offset	3	0	100	%	OEM	OEM
Forward 50% Map	50	0	100	%	OEM	OEM
Reverse Deadband	5	0	100	%	OEM	OEM
Reverse Max	95	0	100	%	OEM	OEM
Reverse 0% Offset	3	0	100	%	OEM	OEM
Reverse 50% Map	50	0	100	%	OEM	OEM
Throttle Filter	10	2	125	Hz	OEM	OEM
HPD Type	1	0	2		OEM	OEM
SRO Type	0	0	2		OEM	OEM
HPD Threshold	3	1	25	%	OEM	OEM
HPD Latch	0	0	10	Seconds	OEM	OEM
Sequencing Delay	0.1	0	5	Seconds	OEM	OEM
PotL Current Check	On	Off	On		OEM	OEM
92-Forward Input	1	0	120		OEM	OEM
93-Reverse Input	0	0	120		OEM	OEM
94-Speed Mode Input	2	0	120		OEM	OEM

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95-Speed Limit Input	100	0	120		OEM	OEM
96-Brake Pedal Input	0	0	120		OEM	OEM
97-Interlock Input	3	0	120		OEM	OEM
98-Emergency Reverse						
Input N/O	0	0	120		OEM	OEM
Input N/C	0	0	120		OEM	OEM
Fwd Only	Off	Off	On		OEM	OEM
Max Current	100	0	100	%	OEM	OEM
Dir Interlock	Off	Off	On		OEM	OEM
Time Limit	0.5	0	30	Seconds	OEM	OEM
Speed	15	0	100	%	OEM	OEM
Accel	1	0.1	30	Seconds	OEM	OEM
Decel	1	0.1	30	Seconds	OEM	OEM
Anti Tiedown	Off	Off	On		OEM	OEM
Constants						
99-Constant Value	50	0	100	%	OEM	OEM
100-100%	100	0	100	%	OEM	Developer
User Inputs						
111-User 1						
Min	0	-32767	32767		OEM	OEM
Max	0	-32767	32767		OEM	OEM
112-User 2						
Min	0	-32767	32767		OEM	OEM
Max	0	-32767	32767		OEM	OEM
113-User 3						
Min	0	-32767	32767		OEM	OEM
Max	0	-32767	32767		OEM	OEM
114-User 4						
Min	0	-32767	32767		OEM	OEM
Max	0	-32767	32767		OEM	OEM
115-User 5						
Min	0	-32767	32767		OEM	OEM
Max	0	-32767	32767		OEM	OEM
116-User 6						
Min	0	-32767	32767		OEM	OEM
Max	0	-32767	32767		OEM	OEM
117-User 7						
Min	0	-32767	32767		OEM	OEM
Max	0	-32767	32767		OEM	OEM
118-User 8						
Min	0	-32767	32767		OEM	OEM
Max	0	-32767	32767		OEM	OEM
119-User Fault Estop						
Input	0	0	120		OEM	OEM
Delay	0	0	5	Seconds	OEM	OEM
120-User Fault Severe						
Input	0	0	120		OEM	OEM

NOCO SHOP

Website: <https://www.noco-evco.com/> - Email: info@noco-evco.com

CURTIS DC Permanent Magnet Motor Speed Controller Parameter List
Model: 1229-3105

Menu	Value	Min	Max	Unit	Read Access	Write Access
Delay	0	0	5	Seconds	OEM	OEM
Main Contactor						
Main/Brake Frequency	0.4	0.2	1	kHz	OEM	OEM
Pull-in	100	0	100	%	OEM	OEM
Holding	60	0	100	%	OEM	OEM
Battery Voltage Comp	On	Off	On		OEM	OEM
Fault Check	Off	Off	On		OEM	OEM
Open Delay	5	0	40	Seconds	OEM	OEM
EM Brake						
Enable	On	Off	On		OEM	OEM
Pull-in	100	0	100	%	OEM	OEM
Holding	60	0	100	%	OEM	OEM
Battery Voltage Comp	On	Off	On		OEM	OEM
Fault Check	Off	Off	On		OEM	OEM
Delay	1	0	1	Seconds	OEM	OEM
Battery						
Nominal Voltage	24	24	36	Volt	OEM	OEM
Full Voltage	29.5	0	42	Volt	OEM	OEM
Empty Voltage	20.9	0	42	Volt	OEM	OEM
Full Charge Voltage	19.9	0	42	Volt	OEM	OEM
Start Charge Voltage	20	0	42	Volt	OEM	OEM
Reset Voltage	25.9	0	42	Volt	OEM	OEM
Discharge Factor	8	0.1	10		OEM	OEM
Charge Factor	8	0.1	10		OEM	OEM
Motor						
System Resistance	30	0	800	mOhms	OEM	OEM
Test Mode	Off	Off	On		Dealer	Dealer
Speed Scaler	24	0	36	Volt	OEM	OEM
Current Rating	100	0	250	Ampere	OEM	OEM
Max Current Time	60	0	120	Seconds	OEM	OEM
Open Detect	On	Off	On		OEM	OEM
Current Limits						
Main Current Limit	200	30	200	Ampere	OEM	OEM
Regen Current Limit	200	30	200	Ampere	OEM	OEM
Boost Current	220	30	220	Ampere	OEM	OEM
Boost Time	5	0	10	Seconds	OEM	OEM
Compensation						
IR Comp	65	0	100	%	OEM	OEM
Anti Rollback Comp	80	0	125	%	OEM	OEM
Misc						
Sleep	0	0	60	Minutes	OEM	OEM
CAN Interface						
Node ID	38	0	127		OEM	OEM
Baud Rate	0	-3	4		OEM	OEM
Slave Mode						
Operational on KSI	On	Off	On		OEM	OEM
CANopen Interlock	Off	Off	On		OEM	OEM

CURTIS DC Permanent Magnet Motor Speed Controller Parameter List
Model: 1229-3105

Menu	Value	Min	Max	Unit	Read Access	Write Access
Heartbeat Rate	100	16	200	ms	OEM	OEM
PDO Timeout Period	100	0	200	ms	OEM	OEM
Emergency Message Rate	16	16	200	ms	OEM	OEM
PDO1 TX COB Id	0	0	65535		OEM	OEM
1	1.34E+08	0	2.15E+09		OEM	OEM
2	1.34E+08	0	2.15E+09		OEM	OEM
3	1.34E+08	0	2.15E+09		OEM	OEM
4	1.34E+08	0	2.15E+09		OEM	OEM
5	1.34E+08	0	2.15E+09		OEM	OEM
6	1.34E+08	0	2.15E+09		OEM	OEM
7	1.34E+08	0	2.15E+09		OEM	OEM
8	1.34E+08	0	2.15E+09		OEM	OEM
PDO1 RX COB Id	480	0	65535		OEM	OEM
1 [1]	1.34E+08	0	2.15E+09		OEM	OEM
2 [1]	1.34E+08	0	2.15E+09		OEM	OEM
3 [1]	1.34E+08	0	2.15E+09		OEM	OEM
4 [1]	1.34E+08	0	2.15E+09		OEM	OEM
5 [1]	1.34E+08	0	2.15E+09		OEM	OEM
6 [1]	1.34E+08	0	2.15E+09		OEM	OEM
7 [1]	1.34E+08	0	2.15E+09		OEM	OEM
8 [1]	1.34E+08	0	2.15E+09		OEM	OEM
PDO2 TX COB Id	0	0	65535		OEM	OEM
1 [1]	1.34E+08	0	2.15E+09		OEM	OEM
2 [1]	1.34E+08	0	2.15E+09		OEM	OEM
3 [1]	1.34E+08	0	2.15E+09		OEM	OEM
4 [1]	1.34E+08	0	2.15E+09		OEM	OEM
5 [1]	1.34E+08	0	2.15E+09		OEM	OEM
6 [1]	1.34E+08	0	2.15E+09		OEM	OEM
7 [1]	1.34E+08	0	2.15E+09		OEM	OEM
8 [1]	1.34E+08	0	2.15E+09		OEM	OEM
PDO2 RX COB Id	0	0	65535		OEM	OEM
1 [1]	1.34E+08	0	2.15E+09		OEM	OEM
2 [1]	1.34E+08	0	2.15E+09		OEM	OEM
3 [1]	1.34E+08	0	2.15E+09		OEM	OEM
4 [1]	1.34E+08	0	2.15E+09		OEM	OEM
5 [1]	1.34E+08	0	2.15E+09		OEM	OEM
6 [1]	1.34E+08	0	2.15E+09		OEM	OEM
7 [1]	1.34E+08	0	2.15E+09		OEM	OEM
8 [1]	1.34E+08	0	2.15E+09		OEM	OEM
3100R Master						
Enable	Off	Off	On		OEM	OEM
Device ID	123	0	255		OEM	OEM
Backlight	Off	Off	On		OEM	OEM
0/1 Icons	Off	Off	On		OEM	OEM
Low BDI Alert	10	0	100	%	OEM	OEM
Service Interval Alert	0	0	10000	Hours	OEM	OEM
Reset Service Interval Alert	Off	Off	On		OEM	OEM