

Dealer Bulletin # DB2026-03

Mustang Pro Controller Settings



MUSTANG PRO CONTROLLER SETTINGS

Speed Settings	Fast	Slow
Forward Acceleration (0.1 Seconds)	25	30
Forward Deceleration (0.1 Seconds)	15	15
Reverse Acceleration (0.1 Seconds)	40	40
Reverse Deceleration (0.1 Seconds)	13	30
Max Forward Speed (%)	100	50
Min Forward Speed (%)	30	30
Max Reverse Speed (%)	50	30
Min Reverse Speed (%)	30	30
Speed Limit Pot Enabled	Off	

OPERATION SETTINGS		
Sleep Timer (Minutes)	0	
Throttle Invert	No	

BATTERY SETTINGS		
Low Battery Flash Level (Bars)	2	
Cable Resistance (milli-ohms)	50	
Calibration Factor	100	
Low Battery Alarm	Off	
Low Battery Tone	0	
Trucharge Reset Voltage (Deci-Volts)	200 (s Drive 180A) (S Drive 11)	

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Battery Curve Scaler	0 (S Drive 11 Only)	
Low Voltage Cut-Out (Deci-Volts)	160 (S Drive 11 Only)	
Low Voltage Cut-Out (Secs)	255 (S Drive 11 Only)	

INHIBIT SETTINGS

Inhibit 1: Mode	1	
Inhibit 1: Operation	Latching	
Inhibit 1: Speed (%)	0	
Inhibit 2: Mode	1	
Inhibit 2: Operation	Non Latching	
Inhibit 2: Speed (%)	0	
Inhibit 3: Mode	2	
Inhibit 3: Operation	Non Latching	
Inhibit 3: Speed (%)	100	
Aux Output: Mode	0	
Inhibit 2 Aux Output	2 (S Drive 11 Only)	

Motor Compensation (milli-ohms)	25	
AntiRollback Level	12 (S Drive Only)	
Pull Away Delay (centi-seconds)	30	
Slope Factor	500 (S Drive Only)	
Anti Rollback Velocity	0 (S Drive Only)	
Braking Current Limit (Amps)	120 (S Drive 180A) (S Drive 11)	
Timed Foldback Speed (%)	100 (S Drive 180A) (S Drive 11)	
Enhanced Motor Compensation (Up) (%)	130 (S Drive 11 Only)	
Enhanced Motor Compensation (Down) (%)	100 (S Drive 11 Only)	
Enhanced Motor Compensation (Up) Gain	6 (S Drive 11 Only)	
MOTOR SETTINGS		

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Current Limit Max (Amps)	110	
Boost Drive Current (Amps)	120	
Boost Drive Time (Seconds)	10	
Current Foldback Threshold (Amps)	110	
Current Foldback Time (Seconds)	20	
Current Foldback Level (%)	90	
Motor Cooling Time (Seconds)	180	
Current Foldback Temperature (Deg C)	80	
Current Limit Min (Amps)	10	
Motor Stall Timeout (Seconds)	0 (S Drive 11 Only)	
Motor Compensation (milli-ohms)	25	
Brake Disconnected Alarm	Off	
Brake Fault Detect	On	
Brake Light	Off	
Push too Fast Threshold	80	
Push too Fast Timeout	15	
Freewheel Enable	Enable	
Inhibit 2 Horn Input Enable	Off (S Drive 120,140,180A) (S Drive 11)	
Thermal Shutdown Trip	No (S Drive 11 Only)	

GENERAL SETTINGS

Soft Stop	On	
Brake Time (milli-seconds)	1000	
Output Voltage (Volts)	24	
Status Output Type	0 (0 = Truecharge, 1 = LED, 2 = Analogue)	
Diagnostic Flash Sequence	1	
Reverse Alarm	Off	
Reverse Alarm Tone	0 (S Drive 120,140,180A) (S Drive 11)	
Pulsed Reverse Alarm	Off	

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Diagnostic Alarm	Off	
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FACTORY SETTINGS	MAX	MIN
Acceleration (0.1 Seconds)	100	1
Deceleration (0.1 Seconds)	100	1
Forward Speed (%)	100	0
Reverse Speed (%)	100	0
Deceleration Taper	0 (S Drive 11 Only)	

THROTTLE SETTINGS		
Throttle Type	1 (0 = Single-ended, 1 = Wig-wag, 2 = Unipolar)	
Throttle Deadband (%)	5	
Throttle Gain (%)	230	
Throttle Operated at Power-up	2 (0 = Drive, 1 = Inhibit, 2 = Trip)	
Throttle Reference Test	On	
ISO Test Resistor	Off	
Timed Throttle Invert	0 (0 = Off, 1 = Inhibit, 2 = Inhibit 3) (S Drive 11 Only)	