

## IPS Command Summary

Abbr.	Name	Command Type	Parameter Guidelines	Valid Range of Parameter (Range validation is not done)	Factory Default
DBR	Define Baud Rate	Comm.	Required	1, 2, 3, 4, 5, 6	3
DDA	Define Device Address	Comm.	Required	Any ASCII character except *	1
DDR	Define Data Response	Comm.	Optional	YES, NO	YES
DDD	Define Device Direction	Application	Optional	CWP, CWN	CWP
DLC	Define Limit Position Clockwise	Application	Special	-199.9 to 199.9 and manual	90.0
DLK	Define Limit Position Counter-Clockwise	Application	Special	-199.9 to 199.9 and manual	-90.0
DZR	Define Zero Position	Application	Special	-199.9 to 199.9 and manual	0.0
DMC	Define Motor Current	Application	Optional	0 to 100	100
DRC	Define Reduced Motor Current	Application	Optional	0 to 100	100
DTC	Define Motor Trip Current	Application	Optional	0 to 100	100
DOM	Define Operating Mode	Application	Optional	1, 2, 3, 4	1
SDL	Set Delay	Operation	Optional	0.0 to 99.9	0.0
SPS	Set Position	Operation	Optional	-199.9 to 199.9	0.0
SRP	Set Relative Position	Operation	Optional	-199.9 to 199.9	0.0
SSP	Set Speed	Operation	Optional	0.1 to 500.9 and 0	0
GO!	Go Now	Movement	None	N/A	N/A
HT!	Halt Now	Movement	None	N/A	N/A
DFC	Define Failsafe Current	Failsafe	Optional	0 to 100	0
DFP	Define Failsafe Position	Failsafe	Optional	-199.9 to 199.9	0.0
DFT	Define Failsafe Time Out	Failsafe	Optional	0.1 to 99.9 and 0	0
ELD	Load Parameters from EEPROM	EEPROM	None	N/A	N/A
ERD	Restore Factory Defaults to EEPROM	EEPROM	None	N/A	N/A
ESV	Save Parameters to EEPROM	EEPROM	None	N/A	N/A
RCU	Report Current	Report	None	0 to 100	N/A
RPS	Report Position	Report	None	-199.9 to 199.9	N/A
RST	Report Status	Report	None	F or - O or - E or - T or - M or - W or -	N/A
RVR	Report Version	Report	None	Current Software Version	2.0
TMD	Table Mode	Table	Optional	1 to 250 and 0	1
TRD	Table Ready for GO!	Table	Required	1 to 10 and 0	N/A
TRP	Table Report Entries	Table	Required	1 to 10	N/A
TRS	Table Reset	Table	Required	1 to 10	N/A
TSE	Table Step Enter	Table	Required	1 to 10	N/A
DCG	Define Control-Loop Gain	Calibration	Optional	-999 to 999	100
DDB	Define Dead Band	Calibration	Optional	0 to 100	3
DDG	Define Derivative Gain	Calibration	Optional	-999 to 999	-150
DIG	Define Integral Gain	Calibration	Optional	-999 to 999	0
DPG	Define Pulse Gain	Calibration	Optional	-999 to 999	-150
DPZ	Define Zero Pulse Length	Calibration	Optional	1000 to 2000	1500