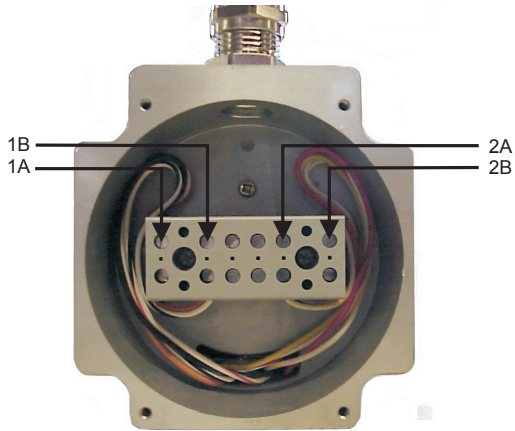
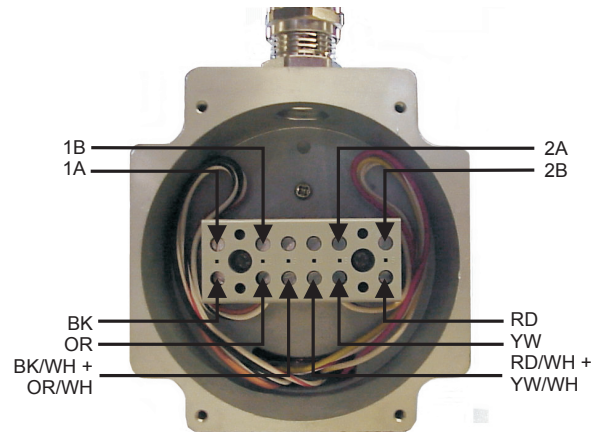


G Series with Terminal Box

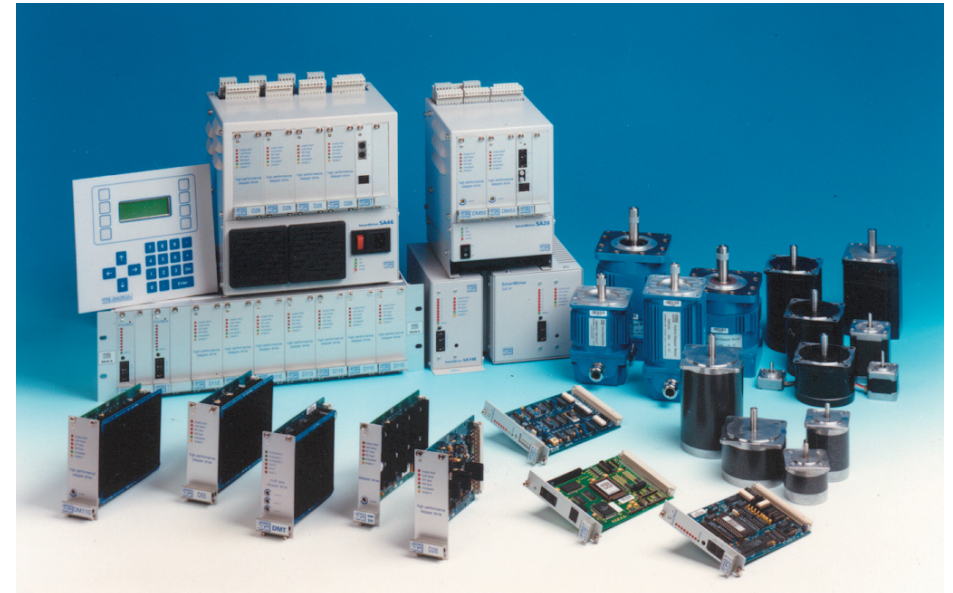


The G series with terminal box motors come pre-configured for parallel wiring, but it is possible to re-configure the terminal box for series configuration should this be desired.



SmartDrive

Motor Wiring Datasheet



From our Cambridgeshire headquarters SmartDrive excel at researching and developing motion technology to bring you the most comprehensive range of motion control solutions available today. Our wealth of technical expertise is made available to you through our pioneering product design and specialist motion control team.

Motor Part Numbering Explained

	Options	Notes
S M	N/A	SM is the SmartDrive prefix for all Stepper Motors.
S	Construction S R	Standard torque capabilities High torque capabilities
3 4	Frame Size 11/17/23/34/42	Specifies the NEMA frame size of the motor, 1 unit equates to approximately 0.1" or 2.5mm. Consult the motor data sheet for more detailed size information
1	Stack Size 0/1/2/3	The stack size relates to the length of the motor.
- 0 6 5	Current Rating	This value represents the Parallel RMS current rating for the motor. For series operation this value should be halved (not applicable to 4 wire motors). For low duty cycle applications it is possible to increase the current value by up to 40%.
- S	Wiring Scheme	See following tables for details
- P	Shaft Type F K P	Round shaft with flat for grub screw location Keyed shaft Plain round shaft.
N	Other Options N T R	No options Terminal Box connection Additional Rear shaft

Parallel Motor Wiring

	Winding			
	1A	1B	2A	2B
E & S	GN + BK/WH	OR + GN/WH	BK + RD/WH	RD + WH
G & L	BK + OR/WH	OR + BK/WH	RD + YW/WH	YW + RD/WH
H (SMR)	RD	YW	BL	OR
H (SMS)	OR + WH	BK + BN	YW + GY	RD + BL
N & U	GN + BK/WH	OR + GN/WH	BK + RD/WH	RD + WH
P	YW + PL	RD + BL	BK + GY	PK + WH
Y	YW + GN	OR + BK	WH + BL	RD + BN

Series Motor Wiring

	Winding					
	1A	Link	1B	2A	Link	2B
E & S	GN	OR + BK/WH	GN/WH	RD/WH	BK + WH	RD
G & L	BK	OR/WH + BK/WH	OR	RD	YW/WH + RD/WH	YW
H (SMR)	RD	N/A	YW	BL	N/A	OR
H (SMS)	OR	WH + BN	BK	YW	BL + GY	RD
N & U	GN	OR + BK/WH	GN/WH	RD/WH	BK + RD	WH
P	YW	PL + BL	RD + BL	BK	GY + WH	PK
Y	GN	YW + OR	BK	BL	WH + BN	RD

Abbreviations

BK	BL	BN	GN	GY	OR	PK	PL	RD	WH	YW
Black	Blue	Brown	Green	Grey	Orange	Pink	Purple	Red	White	Yellow