



Allen-Bradley 1326DS DC Servomotors

Installation Data

Purpose

This publication provides basic connection and Motor Personality Module information for the 1326DS Servomotor. Refer to the *1386 User Manual*, publication 1386-5.0 for complete information.

Motor Wiring Information

Table A provides the connector pin-outs for the 1326DS motor. The recommended encoder wire is Belden 9728 or equivalent.

Important: Power, tach and brake wiring must be per NEC and/or any other applicable local standards.



WARNING: To avoid a shock hazard, remove all power to the drive system before performing the following. Refer to the *1386 User Manual* for further information and precautions.

Table A
Motor Wiring

Pin	J Series Motors		K Series Motors		L Series Motors	
	Motor, Tach	Motor, Tach, Encoder	Motor, Tach, Brake	Motor, Tach, Encoder, Brake	Motor, Tach, Brake	Motor, Tach, Encoder, Brake
A	Motor +	Open	Motor +	Brake ¹	Tach –	Channel A
B	Motor –	Tach +	Motor –	Tach +	Tach +	Channel A (NOT)
C	Tach –	Motor –	Tach –	Motor –	Open	Channel B (NOT)
D	Tach +	Channel Z	Tach +	Channel Z	Open	Channel B
E	Tach Shield	Channel B	Brake ¹	Channel B	Brake ¹	Channel Z
F	Open	Common	Brake ¹	Common	Brake ¹	Channel Z (NOT)
G		Channel A		Channel A	Tach Shield	Brake ¹
H		Motor +		Motor +	Motor –	+5V DC
I		Tach Shield		Brake ¹	Motor +	Common
J		Channel B (NOT)		Channel B (NOT)		Brake ¹
K		Tach –		Tach –		Encoder Shield
L		Channel Z (NOT)		Channel Z (NOT)		Tach Shield
M		+5V DC		+5V DC		Tach +
N		Channel A (NOT)		Channel A (NOT)		Motor –
O						Tach –
P						Motor +

¹ Denotes brake terminals, if ordered. Without brake, these pins are not used.

Personality Module Adjustments

The Personality Module, PM (located on the Servo Amplifier Module) has 3 adjustable settings which allow the user to precisely match the amplifier to a particular motor. This will guard against damage to the motor caused by incorrect settings of the Current pot (C) and the Current Scaling pot (R65). With the appropriate 1% resistor(s) soldered into the module, peak current (RP), RMS current (RR) and the foldback current (RF) can be adjusted.

Each module is set at the factory to deliver full rated and peak current. The module will also foldback to 50% of its rating if an overcurrent condition exists. To make adjustments for a specific Allen-Bradley 1326DS motor, refer to Table B.

Important: Before soldering, carefully remove the Personality Module from the board, noting orientation and resistor positioning. Resistor positions are not indicated on the module.

Table B
Personality Module Resistor Values for Specific Motors

Motor Catalog Number	6A Module			15A Module		
	RP	RR	RF	RP	RR	RF
1326DS-J3G	Open	68.1k	1.0k	Open	6.04k	243
1326DS-K1E	Open	6.19k	453	— ¹	— ¹	— ¹
1326DS-K3E	Open	26.7k	1.0k	— ¹	— ¹	— ¹
1326DS-L2D	Open	Open	1.82k	Open	23.2k	453
1326DS-L3D	Open	Open	1.82k	Open	23.2k	453
1326DS-L4D	Open	Open	1.82k	Open	97.6k	715

¹ Do Not use the 15A module with K series motors.



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WORLD HEADQUARTERS
Allen-Bradley
1201 South Second Street
Milwaukee, WI 53204 USA
Tel: (1) 414 382-2000
Telex: 43 11 016
Fax: (1) 414 382-4444

**EUROPE/MIDDLE EAST/
AFRICA HEADQUARTERS**
Allen-Bradley Europe B.V.
Amsterdamseseweg 15
1422 AC Uithoorn
The Netherlands
Tel: (31) 2975/43500
Telex: (844) 18042
Fax: (31) 2975/60222

ASIA/PACIFIC HEADQUARTERS
Allen-Bradley (Hong Kong) Limited
Room 1006, Block B, Sea View Estate
2-8 Watson Road
Hong Kong
Tel: (852) 887-4788
Telex: (780) 64347
Fax: (852) 510-9436

CANADA HEADQUARTERS
Allen-Bradley Canada Limited
135 Dundas Street
Cambridge, Ontario N1R 5X1
Canada
Tel: (1) 519 623-1810
Fax: (1) 519 623-8930

**LATIN AMERICA
HEADQUARTERS**
Allen-Bradley
1201 South Second Street
Milwaukee, WI 53204 USA
Tel: (1) 414 382-2000
Telex: 43 11 016
Fax: (1) 414 382-2400