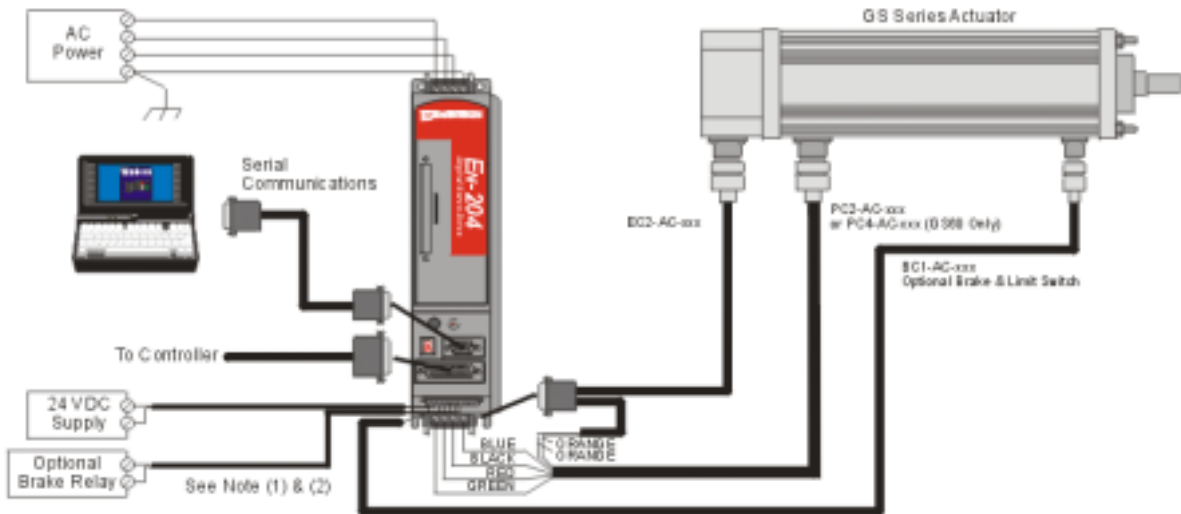


## 7.2a Emerson EN Series Drive and GS/X Series Actuator (O Connector Option)

### SYSTEM OVERVIEW



**Motor Cable PC2-AC-XXX**

Exlar Connector	Wire Color	Function	EN-XXX Connector
A	Red	R Phase	R
B	Black	S Phase	S
C	Blue	T Phase	T
D	Green	GND	⊕

**Encoder Cable EC2-AC-XXX**

Exlar Connector	Wire Color	Function of EN-XXX	J7 Connector
T	Red	Encoder Power	7
J	Black	Encoder COM	17
G	Green	A+	1
H	Green/Black	A-	10
F	Blue	B+	2
S	Blue/Black	B-	11
E	Orange	Z+	3
R	Orange/Black	Z-	12
M	Red/White	U	4
K	Black/White	V	5
U	Blue/White	W	6
A	Red/Black	U-	13
B	White	V-	14
C	Green/White	W-	15
L	Black/Red	Therm Sw +	9
N	Red/White	Therm Sw -	17

**Brake and Limit Switch Cable BC1-AC-XXX**

Exlar Connector	Wire Color	Function	J6 Connector
A	Blue	+24 VDC	1
B	Yellow	24V GND	2
C	Red/White	Lim Sw +	4
D	Yellow/White	Lim Sw -	5
E			
F	Black	24V GND	2
G	Red	Brake Relay Contact -	
		Brake Relay Contact +	1
		Brake Relay Coil +	10
		Brake Relay Coil -	2

NOTES: (1) GS/X Series travel limits are current sinking. EN Series Drive inputs are current sourcing requiring a 2.2k Ohm ¼ Watt pull resistor to the input power supply + for correct operation. Check to verify that the EN drives travel limits are configured to "Active Off" to insure correct operation. (2) An external relay is required for brake operation. (3) Connectors A, B, C and D are for limit switches. Connectors F and G are for brake.