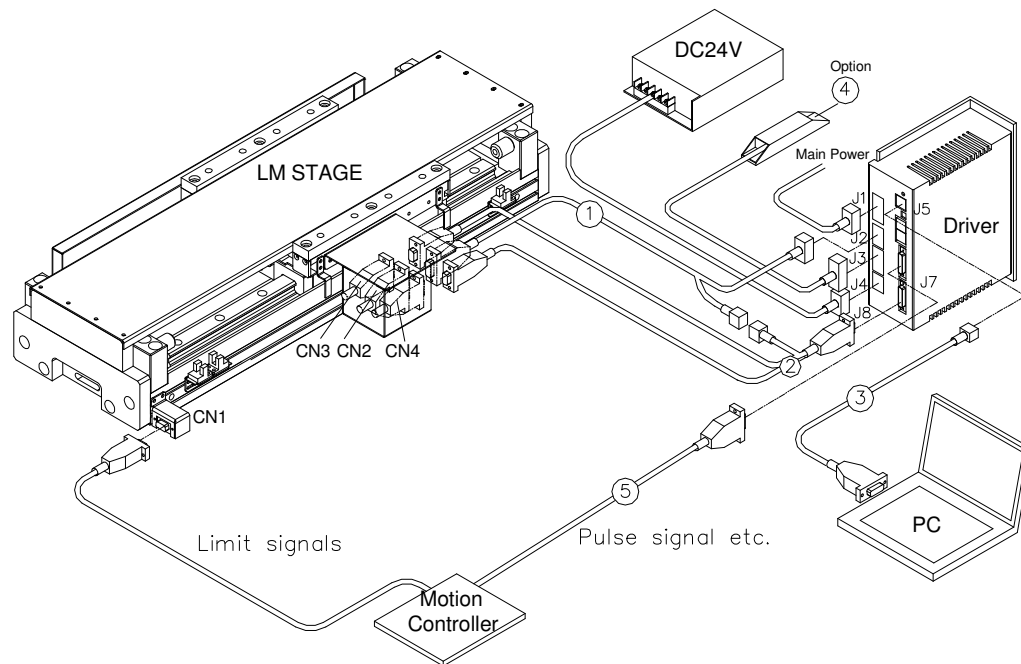

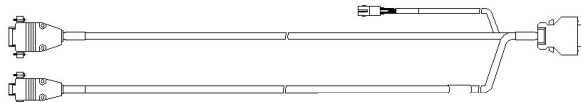





System Configuration

-Linear Motor Stage



Linear Motor Stage Accessories

	Part name	Model	Connector	Description
①	Motor Power Cable UVW and Over Temp. Signal Cable	LMACS□□D	J2, J8	For LMS Motor Power Connector (FCT) Model: FM9W4S-K121, FMK3G,  Motor OT Connector
		LMACS□□E		For LMC
②	Encoder Cable	LMACE□□D	J8	For Renishaw Digital Encoder, motor OT
		LMACE□□E		For Renishaw Digital Encoder, motor OT, and digital hall sensors. Motor OT Connector Encoder Connector D-SUB 15 female  Digital Hall Connector D-SUB 9 female Driver Connector Model: 3M 10120-3000VE
		LMACE□□F	J8	For Renishaw Analog Encoder, motor OT
		LMACE□□G		For Renishaw Analog Encoder, motor OT, and digital hall sensors. Motor OT Connector Encoder Connector D-SUB 15 female Motor O/I Connector  Digital Hall Connector D-SUB 9 female Driver Connector Model: 3M 10120-3000VE
	Motor OT connector (*)	051500400040		Motor Over Temperature Connector
③	RS-232 cable	LMACR21D	J5	To PC (about 2m long) D-SUB 15 female Driver RS-232 RJ-11 
④	Regen resistor	XSL-RA-02	J3	
⑤	Controller Pulse cable	LMACK30R	J7	To motion controller (about 3m long)  Driver Connector Model: 3M 10126-3000 VE
	Connectors kit	XSL-CK	J1-J8	
	EMC accessory	S6EMC		Line Filter (AC 1 phase), Ferrite cores For power cable, motor cable and encoder cable
	Heat sink	XSL-HL		Low profile
		XSL-HS		Standard

□□	Cable length (m)
03	3
05	5
10	10

Note:

1. User must prepare one 24Vdc power supply for each driver.
2. For ordering ②Cable to motor, the Motor OT connector has also to be ordered for each cable.

Encoder cable pin wiring

LMACE□□E

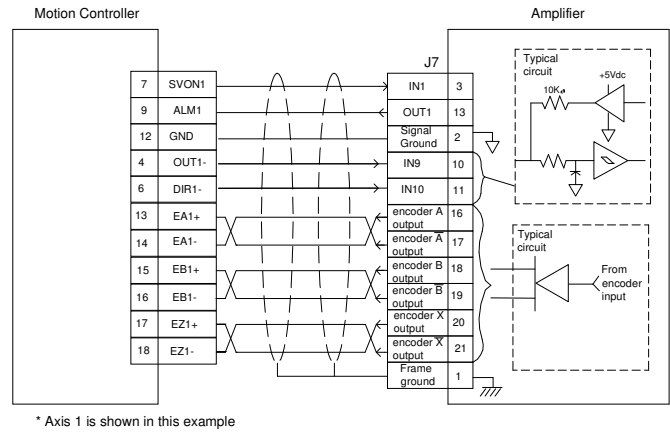
For Renishaw Digital Encoder(e.g. RGH41X)				
Function	Signal	Color	Connector (D-Sub 15Pin Female)	Connector (SCSI 20P Male)
Power	5V	Brown	7	3
		Brown(link)	8	-
	0V	White	2	2
		White(link)	9	-
Incremental signals	A+	Green	14	4
	A-	Yellow	6	5
	B+	Blue	13	6
	B-	Red	5	7
Reference mark	Z+	Violet	12	8
	Z-	Grey	4	9
Limit switch	Q	Pink	10	-
External set-up	E+	Black	11	-
Reference mark uni-directional operation	E-	Orange	3	-
	X	Clear	1	-
Shield	Inner	Green/Yellow	15	20
	Outer		Case	1
Thermal Switch	Signal	Color	Connector (2P Female)	
	T+	Brown	1	14
	T-	Blue	2	15
Hall sensor	Signal	Color	Connector (D-Sub 9Pin Female)	
	Vcc	Brown	1	3
	A	White	2	11
	B	Grey	3	12
	C	Yellow	4	13
	GND	Green	5	10
	Shield		Case	1

LMACE□□G

For Renishaw Analog Encoder(e.g. RGH41B)				
Function	Signal	Color	Connector (D-Sub 15Pin Female)	Connector (SCSI 20P Male)
Power	5V	Brown	4	3
		Brown(link)	5	-
	0V	White	12	2
		White(link)	13	-
Incremental signals	V ₁ +	Red	9	16
	V ₁ -	Blue	1	17
	V ₂ +	Yellow	10	18
	V ₂ -	Green	2	19
Reference mark	V ₀ +	Violet	3	8
	V ₀ -	Grey	11	9
Limit switch	V _q	Pink	8	-
External set-up	V _x	Clear	7	-
Reference mark uni-directional operation	BID	Black	6	-
	DIR	Orange	14	-
Shield	Inner	Green/Yellow	15	20
	Outer		Case	1
Thermal Switch	Signal	Color	Connector (2P Female)	
	T+	Brown	1	14
	T-	Blue	2	15
Hall sensor	Signal	Color	Connector (D-Sub 9Pin Female)	
	Vcc	Brown	1	3
	A	White	2	11
	B	Grey	3	12
	C	Yellow	4	13
	GND	Green	5	10
	Shield		Case	1

[illegible]

For XSL-230 Servo Amplifier



For XSL-230 Servo Amplifier

