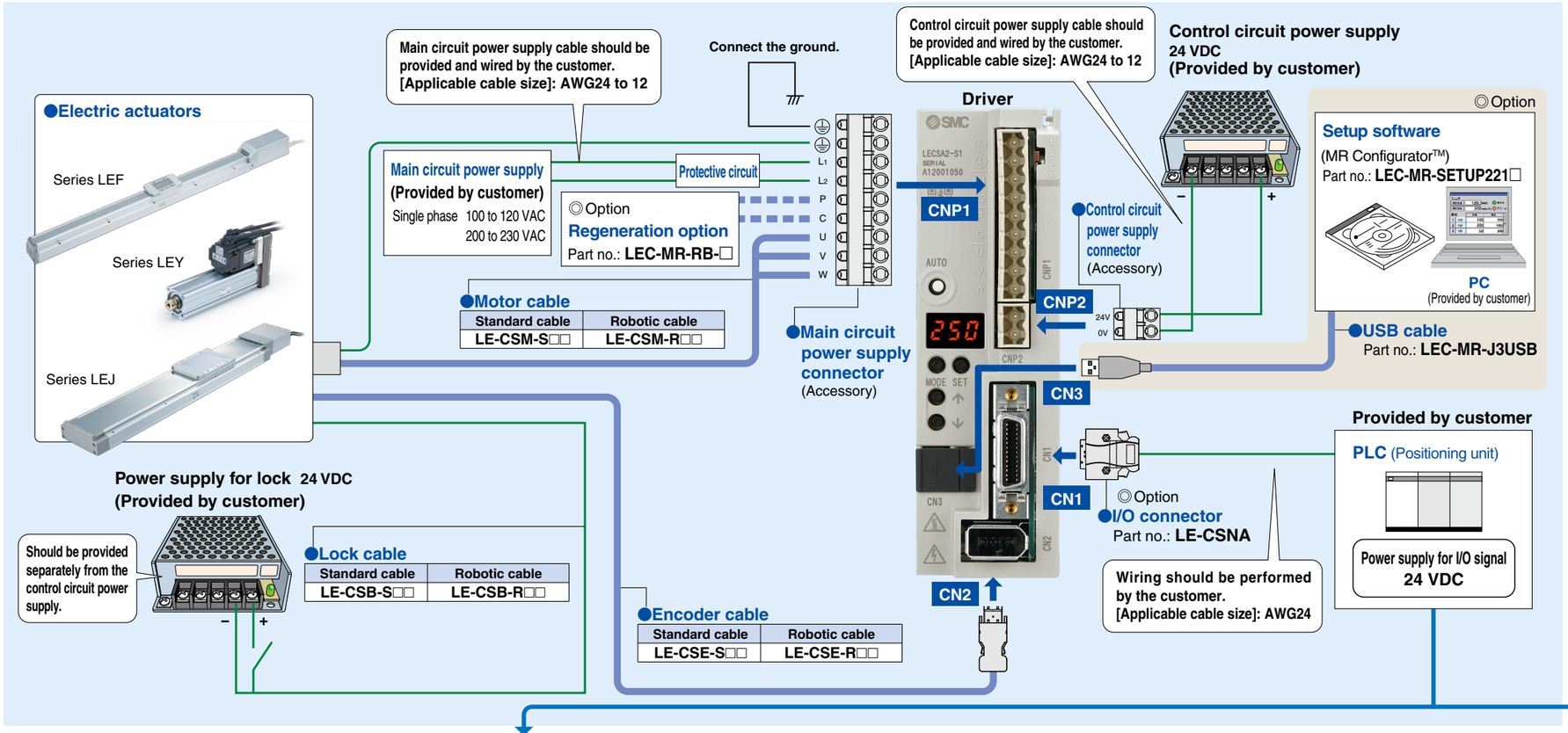
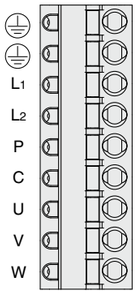
Wiring Method for LECSA

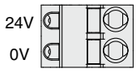


Main Circuit Power Supply Connector (Accessory): CNP1



Terminal name	Function	
⏚	Protective earth (PE)	Should be grounded by connecting the servo motor's earth terminal and the control panel's protective earth (PE).
L1, L2	Main circuit power supply	Connect the main circuit power supply. LECSA1: Single phase 100 to 120 VAC, 50/60 Hz LECSA2: Single phase 200 to 230 VAC, 50/60 Hz
P, C	Regeneration option	Terminal to connect regeneration option LECSA□-S1: Not connected at time of shipping. LECSA□-S3, S4: Connected at time of shipping. ∗ When regeneration option is used for the LECSA□-S3/S4, remove the built-in regenerative resistor and its wirings.
U	Servo motor power (U)	Connect to motor cable (U (Red), V (White), W (Black)).
V	Servo motor power (V)	
W	Servo motor power (W)	

Control Circuit Power Supply Connector (Accessory): CNP2



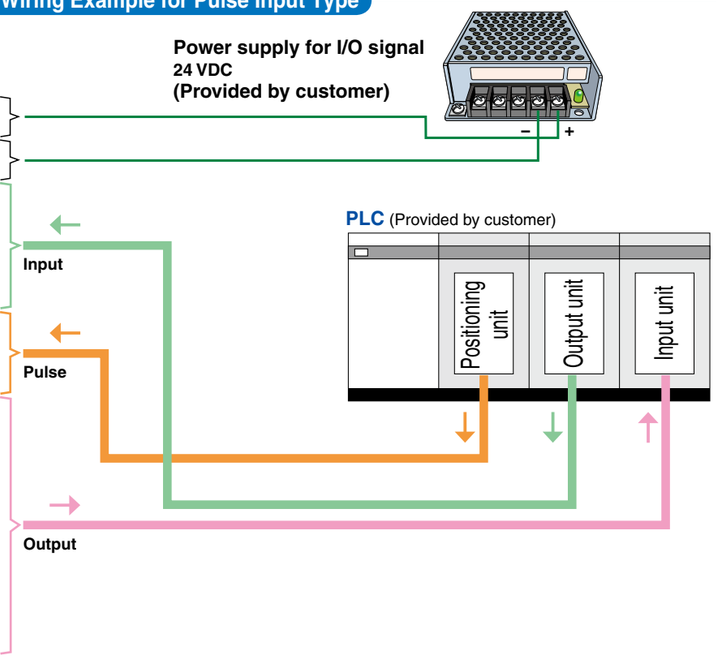
Terminal name	Function	
24V	Control circuit power supply (24V)	24V side of the control circuit power supply (24V) supplied to the driver
0V	Control circuit power supply (0V)	0V side of the control circuit power supply (24V) supplied to the driver

I/O Signal Wiring Example for Pulse Input Type

I/O connector (Option): CN1

Connector pin no.	Terminal name	Function
1	DICOM	Digital I/F power supply input
2	OPC	Open collector power input
13	DOCOM	Digital I/F common
14	LG	Control common
3	RES	Reset
4	SON	Servo ON
8	∗EM1	Forced stop
6	LSP	Forward rotation stroke end
7	LSN	Reverse rotation stroke end
5	CR	Clear
22	PG	Forward/reverse rotation pulse train
23	PP	
24	NG	
25	NP	
9	∗ALM	Failure
10	INP	In position
11	RD	Ready
12	MBR	Electromagnetic brake interlock
15	LA	A-phase pulse encoder (Differential line driver)
16	LAR	
17	LB	B-phase pulse encoder (Differential line driver)
18	LBR	
19	LZ	Z-phase pulse encoder (Differential line driver)
20	LZR	
21	OP	Z-phase pulse encoder (Open collector)

The "∗EM1" and "∗ALM" are the negative-true logic output.
Signal assignments are those in the initial setting status.

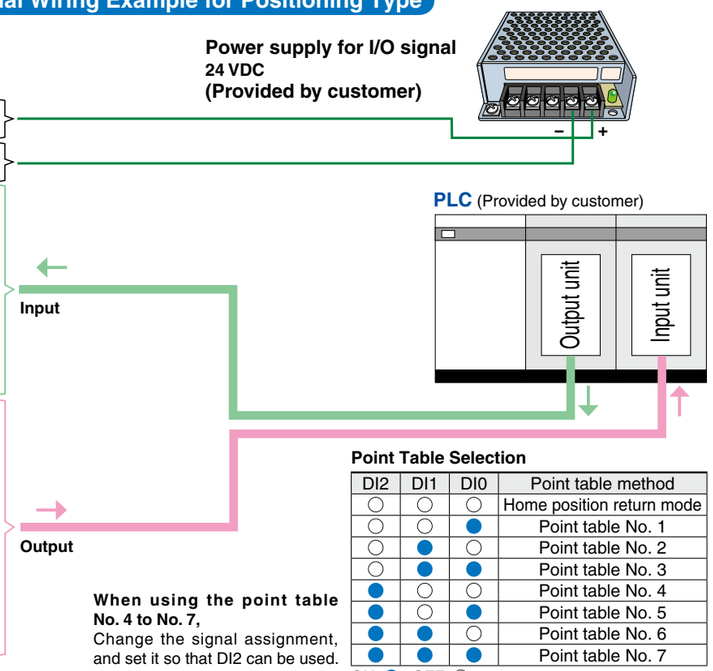


I/O Signal Wiring Example for Positioning Type

I/O connector (Option): CN1

Connector pin no.	Terminal name	Function
1	DICOM	Digital I/F power supply input
2	OPC	Open collector power input
13	DOCOM	Digital I/F common
14	LG	Control common
3	MDO	Automatic/Manual selection
4	SON	Servo ON
8	∗EM1	Forced stop
6	ST1	Forward rotation start
7	ST2	Reverse rotation start
25 Note)	DOG	Proximity dog
5	DI0	Point table No.
22		
23 Note)	DI1	Point table No.
24		
9	∗ALM	Failure
10	INP	In position
11	RD	Ready
12	MBR	Electromagnetic brake interlock
15	LA	A-phase pulse encoder (Differential line driver)
16	LAR	
17	LB	B-phase pulse encoder (Differential line driver)
18	LBR	
19	LZ	Z-phase pulse encoder (Differential line driver)
20	LZR	
21	OP	Z-phase pulse encoder (Open collector)

The "∗EM1" and "∗ALM" are the negative-true logic output.
Signal assignments are those in the initial setting status.



When using the point table No. 4 to No. 7,
Change the signal assignment, and set it so that DI2 can be used.

Point Table Selection

DI2	DI1	DI0	Point table method
○	○	○	Home position return mode
○	○	●	Point table No. 1
○	●	○	Point table No. 2
○	●	●	Point table No. 3
●	○	○	Point table No. 4
●	○	●	Point table No. 5
●	●	○	Point table No. 6
●	●	●	Point table No. 7

ON: ● OFF: ○

Note) For PNP (source), the signal cannot be assigned to the pin 23 or 25.
Note) ——: Provided by customer.