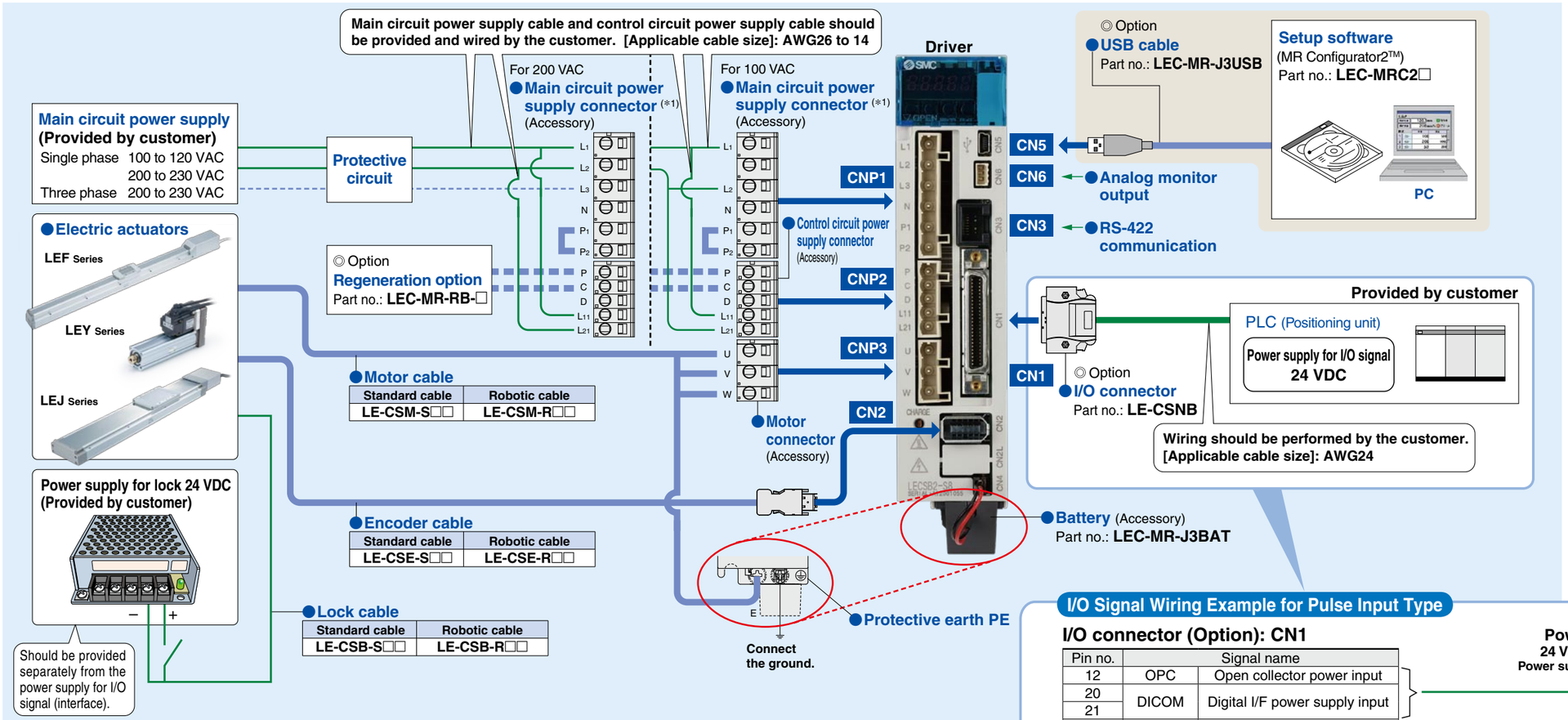
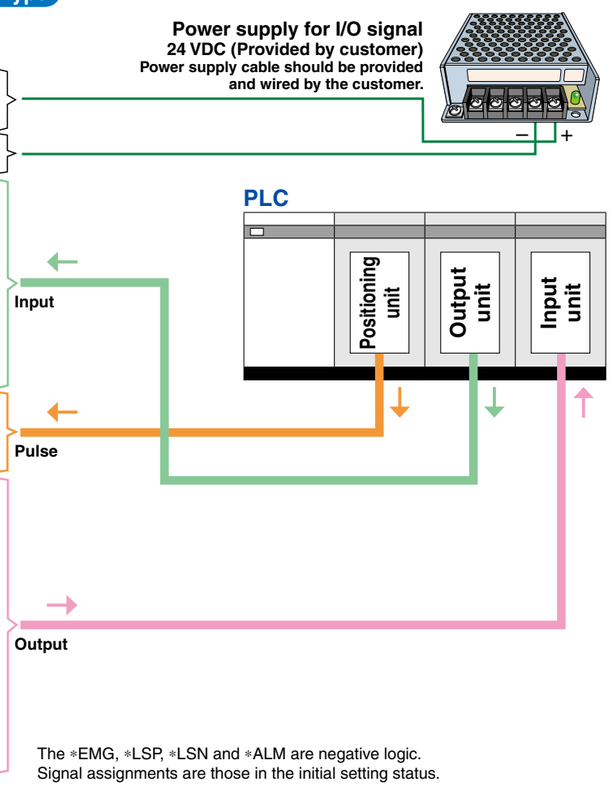
Wiring Method for LECSB



I/O Signal Wiring Example for Pulse Input Type

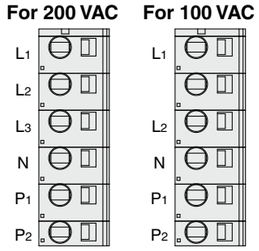
I/O connector (Option): CN1

Pin no.	Signal name	
12	OPC	Open collector power input
20	DICOM	Digital I/F power supply input
21		
46	DOCOM	Digital I/F common
47		
15	SON	Servo ON
17	PC	Proportion control
18	TL	External torque limit selection
19	RES	Reset
27	TLA	Analog torque limit
41	CR	Clear
42	EMG	∗ Emergency stop
43	LSP	∗ Forward rotation stroke end
44	LSN	∗ Reverse rotation stroke end
45	LOP	Control change
10	PP	Forward/reverse rotation pulse train
11	PG	
35	NP	
36	NG	
4	LA	A-phase pulse encoder (Differential line driver)
5	LAR	
6	LB	B-phase pulse encoder (Differential line driver)
7	LBR	
8	LZ	Z-phase pulse encoder (Differential line driver)
9	LZR	
22	INP	In position
23	ZSP	Zero speed detection
24	INP	In position
25	TLC	Torque limiting
33	OP	Z-phase pulse encoder (Open collector)
48	ALM	∗ Failure
49	RD	Ready



The ∗EMG, ∗LSP, ∗LSN and ∗ALM are negative logic.
Signal assignments are those in the initial setting status.

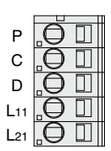
For 200 VAC / For 100 VAC



Main Circuit Power Supply Connector (Accessory): CNP1

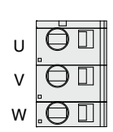
Terminal name	Function	Details
L1 L2 L3	Main circuit power supply (*1)	Connect the main circuit power supply. LECSB1: Single phase 100 to 120 VAC, 50/60 Hz Connection terminal: L1, L2 LECSB2: Single phase 200 to 230 VAC, 50/60 Hz Connection terminal: L1, L2 LECSB2: Three phase 200 to 230 VAC, 50/60 Hz Connection terminal: L1, L2, L3
N	Do not connect.	
P1, P2	Connect between P1 and P2. (Connected at time of shipping.)	

(∗1) The position of the connection terminal L2 is different between the LECSB1 and LECSB2.



Control Circuit Power Supply Connector (Accessory): CNP2

Terminal name	Function	Details
P, C, D	Regeneration option	Terminal to connect regeneration option. When the built-in regenerative resistor of the driver is used, connect between P and D. (Connected at time of shipping.) When regeneration option is connected, remove the wiring between P and D, and connect the regeneration option to P and C.
L11, L21	Control circuit power supply	Connect the control circuit power supply. LECSB1: Single phase 100 to 120 VAC, 50/60 Hz Connection terminal: L11, L21 LECSB2: Single phase 200 to 230 VAC, 50/60 Hz Connection terminal: L11, L21 LECSB2: Three phase 200 to 230 VAC, 50/60 Hz Connection terminal: L11, L21



Motor Connector (Accessory): CNP3

Terminal name	Function	Details
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)	

Note) ——: Provided by customer.