Input / output signal connection diagram

Servo amplifier

Pin	Signal	Description
15	PLSP	Pulse train position command (pulse) — 150Ω
16	PLSN	
40	SIGP	Pulse train position command (sign) — 150Ω
41	SIGN	
8	ORL	Origin sensor — 4.7kΩ
10	CM1	24V
1	P24	Interface power — DC24V
2	PLC	Contact input common
26	SON	Servo ON — 4.7kΩ
27	RS	Alarm reset — 4.7kΩ
4	TL	Torque limit — 4.7kΩ
28	FOT	Forward overtravel — 4.7kΩ
29	ROT	Reverse overtravel — 4.7kΩ
32	ORG	Return-to-origin — 4.7kΩ
33	PEN	Pulse train input enable — 4.7kΩ
9	CER	Position error counter clear — 4.7kΩ
30	CM1	Interface power common

Pin	Signal	Description
21	OAP	Position sensor Phase A signal output
22	OAN	
46	OBP	Position sensor Phase B signal output
47	OBN	
23	OZP	Position sensor Phase Z signal output
24	OZN	
48	OZ	Phase Z detection
49	L	Phase Z detection common
		Logic ground (L)
25	A01	Monitor output 1
20	A02	Monitor output 2
	L	Analog output common
		Logic ground (L)
35	SRD	Servo ready
42	SRDE	
11	ALM	Alarm
34	ALME	
12	INP	Positioning complete
39	INPE	
36	ORG-S	Return-to-origin complete
37	ORG-SE	

Brake output and coil
(This signal is provided only on the RDV-X and is not provided on the RDV-P.)

Brake release relay

Pin	Signal
BK	13
31.6	
B0	
5	
B24	

Br

Brake power
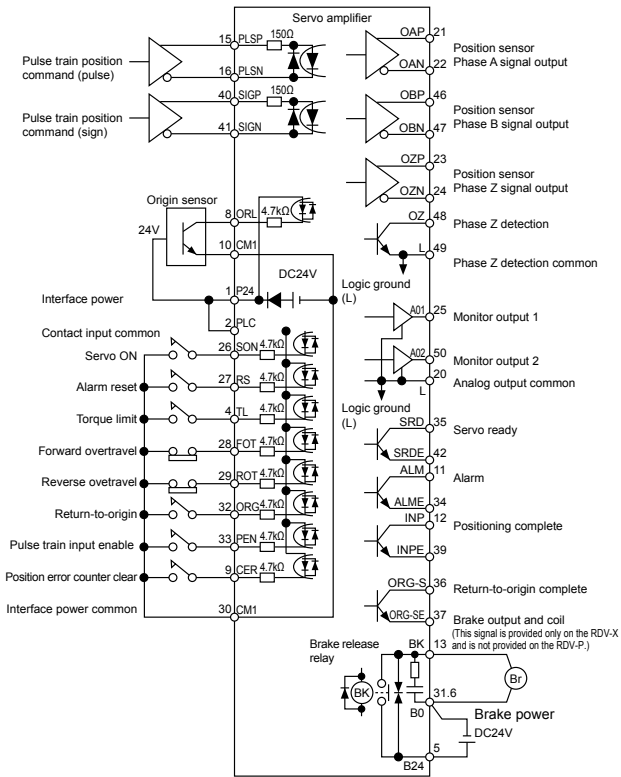— DC24V

* The above diagram shows a sink type output module using a power supply for internal input.