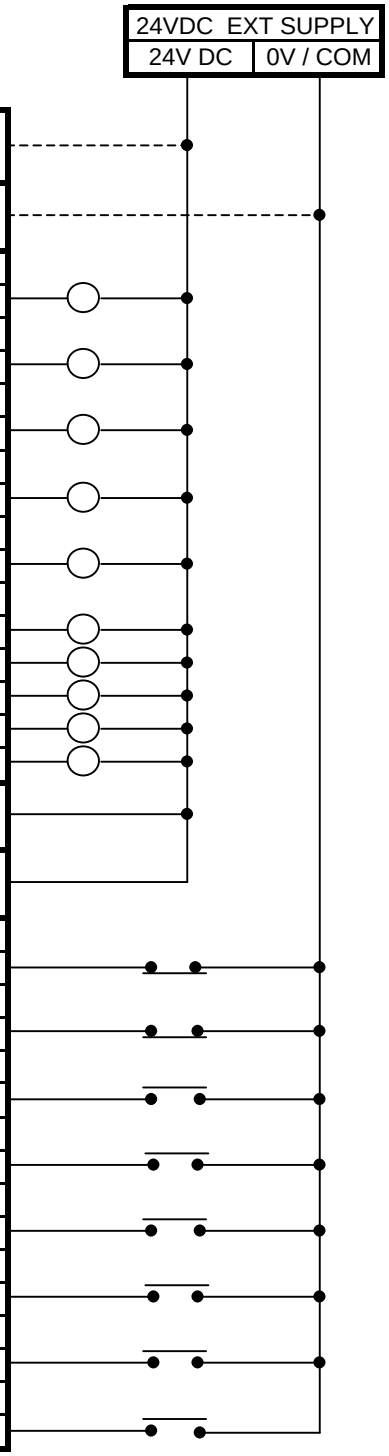
RCS NPN I/O WIRING

(For controllers equipped with NPN type boards)

1	COM 0A	24V	BRN-1	24V DC & 0V COM can be wired either way
2	COM 0A	0V	RED-1	
3	COM 0B	0V	ORG-1	24V DC & 0V COM can be wired either way
4	COM 0B	24V	YEL-1	
5	NC		GRN-1	
6	ALARM	OUTPUT	BLU-1	Normally on
7	NC		PUR-1	
8	ZONE	OUTPUT	GRY-1	Turns on when in Zone area
9	NC		WHT-1	
10	HOME COMPLETE	OUTPUT	BLK-1	Turns on after actuator Homes
11	NC		BRN-2	
12	POSITION COMPLETE	OUTPUT	RED-2	Turns off while in motion
13	NC		ORG-2	
14	COMMAND POSITION 8	OUTPUT	YEL-2	Turns on when position # is selected
15	NC		GRN-2	
16	COMMAND POSITION 4	OUTPUT	BLU-2	Turns on when position # is selected
17	IN MOTION	OUTPUT	PUR-2	Turns on during motion
18	COMMAND POSITION 2	OUTPUT	GRY-2	Turns on when position # is selected
19	EMERGENCY STOP	OUTPUT	WHT-2	Turns off when in E-STOP
20	COMMAND POSITION 1	OUTPUT	BLK-2	Turns on when position # is selected
21	COM 1A	24V DC	BRN-3	24VDC
22	COM 1A		RED-3	
23	COM 1B	24V DC	ORG-3	24VDC
24	COM 1B		YEL-3	
25	NC		GRN-3	
26	HOLD	INPUT	BLU-3	Input is ON during operation (Note 1)
27	NC		PUR-3	
28	SERVO ON	INPUT	GRY-3	Turns servo on and off (Note 2)
29	NC		WHT-3	
30	RESET	INPUT	BLK-3	Alarm reset
31	NC		BRN-4	
32	START	INPUT	RED-4	Position Initiation
33	NC		ORG-4	
34	POSITION 8	INPUT	YEL-4	BCD position select
35	NC		GRN-4	
36	POSITION 4	INPUT	BLU-4	BCD position select
37	NC		PUR-4	
38	POSITION 2	INPUT	GRY-4	BCD position select
39	NC		WHT-4	
40	POSITION 1	INPUT	BLK-4	BCD position select



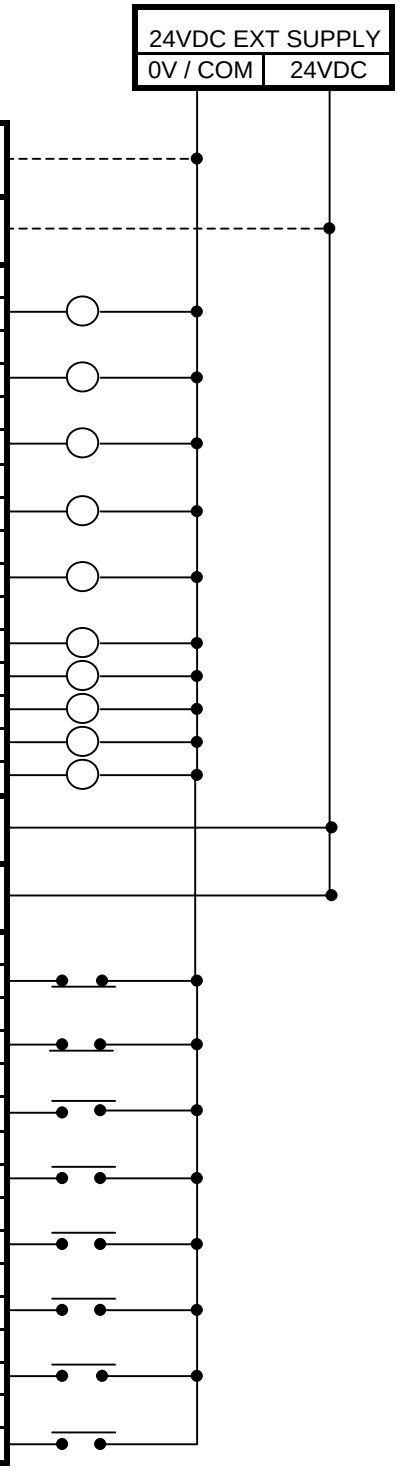
Note:

1. This input is normally closed during operation. Opening this contact will stop or prevent motion.
2. This input is normally closed during operation. Opening this contact will turn the servo off.

RCS PNP I/O WIRING (PNP outputs with NPN inputs)

(For controllers equipped with PNP type boards)

1	COM 0A	24V / 0V	BRN-1	24V DC & 0V COM can be wired either way
2	COM 0A		RED-1	
3	COM 0B	0V / 24V	ORG-1	24V DC & 0V COM can be wired either way
4	COM 0B		YEL-1	
5	NC		GRN-1	
6	ALARM	OUTPUT	BLU-1	Normally on
7	NC		PUR-1	
8	ZONE	OUTPUT	GRY-1	Turns on when in Zone area
9	NC		WHT-1	
10	HOME COMPLETE	OUTPUT	BLK-1	Turns on after actuator Homes
11	NC		BRN-2	
12	POSITION COMPLETE	OUTPUT	RED-2	Turns off while in motion
13	NC		ORG-2	
14	COMMAND POSITION 8	OUTPUT	YEL-2	Turns on when position # is selected
15	NC		GRN-2	
16	COMMAND POSITION 4	OUTPUT	BLU-2	Turns on when position # is selected
17	IN MOTION	OUTPUT	PUR-2	Turns on during motion
18	COMMAND POSITION 2	OUTPUT	GRY-2	Turns on when position # is selected
19	EMERGENCY STOP	OUTPUT	WHT-2	Turns off when in E-STOP
20	COMMAND POSITION 1	OUTPUT	BLK-2	Turns on when position # is selected
21	COM 1A	24V	BRN-3	24V
22	COM 1A		RED-3	
23	COM 1B	24V	ORG-3	24V
24	COM 1B		YEL-3	
25	NC		GRN-3	
26	HOLD	INPUT	BLU-3	Input is ON during operation (Note 1)
27	NC		PUR-3	
28	SERVO ON	INPUT	GRY-3	Turns servo on and off (Note 2)
29	NC		WHT-3	
30	RESET	INPUT	BLK-3	Alarm reset
31	NC		BRN-4	
32	START	INPUT	RED-4	Position Initiation
33	NC		ORG-4	
34	POSITION 8	INPUT	YEL-4	BCD position select
35	NC		GRN-4	
36	POSITION 4	INPUT	BLU-4	BCD position select
37	NC		PUR-4	
38	POSITION 2	INPUT	GRY-4	BCD position select
39	NC		WHT-4	
40	POSITION 1	INPUT	BLK-4	BCD position select



Note:

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2. This input is normally closed during operation. Opening this contact will turn the servo off.

RCS PNP I/O WIRING (PNP outputs with PNP inputs)

(For controllers equipped with PNP type boards)

1	COM 0A	24V	BRN-1	24V DC & 0V COM can be wired either way
2	COM 0A	0V	RED-1	
3	COM 0B	0V	ORG-1	24V DC & 0V COM can be wired either way
4	COM 0B	24V	YEL-1	
5	NC		GRN-1	
6	ALARM	OUTPUT	BLU-1	Normally on
7	NC		PUR-1	
8	ZONE	OUTPUT	GRY-1	Turns on when in Zone area
9	NC		WHT-1	
10	HOME COMPLETE	OUTPUT	BLK-1	Turns on after actuator Homes
11	NC		BRN-2	
12	POSITION COMPLETE	OUTPUT	RED-2	Turns off while in motion
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14	COMMAND POSITION 8	OUTPUT	YEL-2	Turns on when position # is selected
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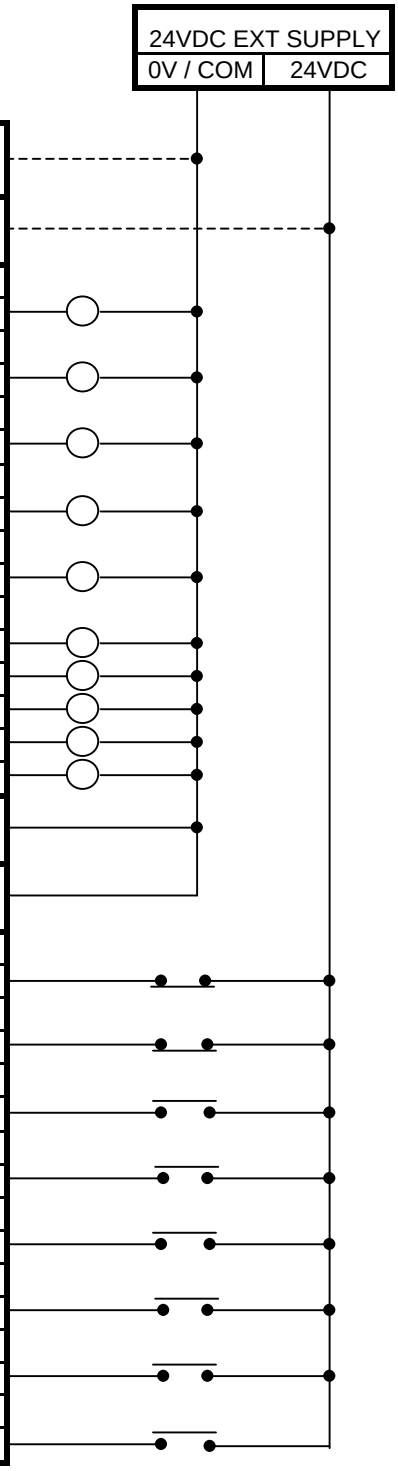
16	COMMAND POSITION 4	OUTPUT	BLU-2	Turns on when position # is selected
17	IN MOTION	OUTPUT	PUR-2	Turns on during motion
18	COMMAND POSITION 2	OUTPUT	GRY-2	Turns on when position # is selected
19	EMERGENCY STOP	OUTPUT	WHT-2	Turns off when in E-STOP
20	COMMAND POSITION 1	OUTPUT	BLK-2	Turns on when position # is selected
21	COM 1A	0V / COM	BRN-3	0V / COM
22	COM 1A		RED-3	
23	COM 1B	0V / COM	ORG-3	0V / COM
24	COM 1B		YEL-3	
25	NC		GRN-3	
26	HOLD	INPUT	BLU-3	Input is ON during operation (Note 1)
27	NC		PUR-3	
28	SERVO ON	INPUT	GRY-3	Turns servo on and off (Note 2)
29	NC		WHT-3	
30	RESET	INPUT	BLK-3	Alarm reset
31	NC		BRN-4	
32	START	INPUT	RED-4	Position Initiation
33	NC		ORG-4	
34	POSITION 8	INPUT	YEL-4	BCD position select
35	NC		GRN-4	
36	POSITION 4	INPUT	BLU-4	BCD position select
37	NC		PUR-4	
38	POSITION 2	INPUT	GRY-4	BCD position select
39	NC		WHT-4	
40	POSITION 1	INPUT	BLK-4	BCD position select



Note:

1. This input is normally closed during operation. Opening this contact will stop or prevent motion.
2. This input is normally closed during operation. Opening this contact will turn the servo off.