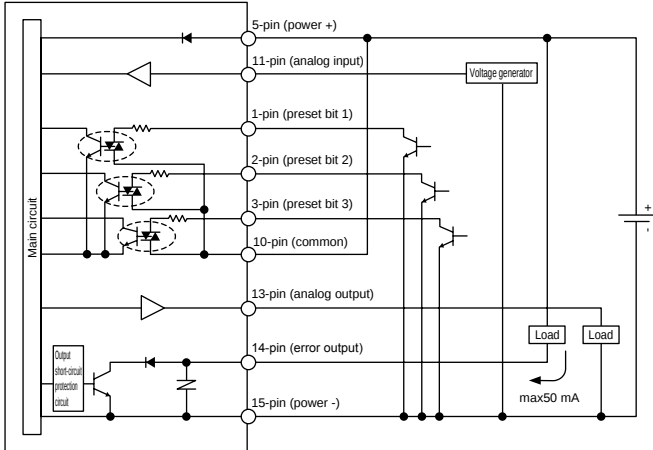
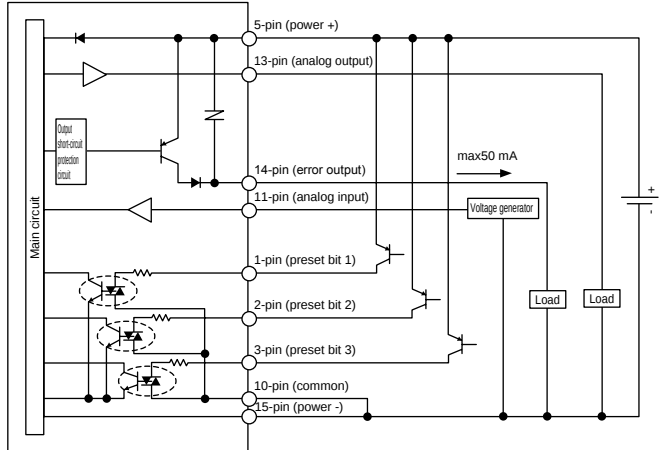


Example of internal circuit and load connection Analog input

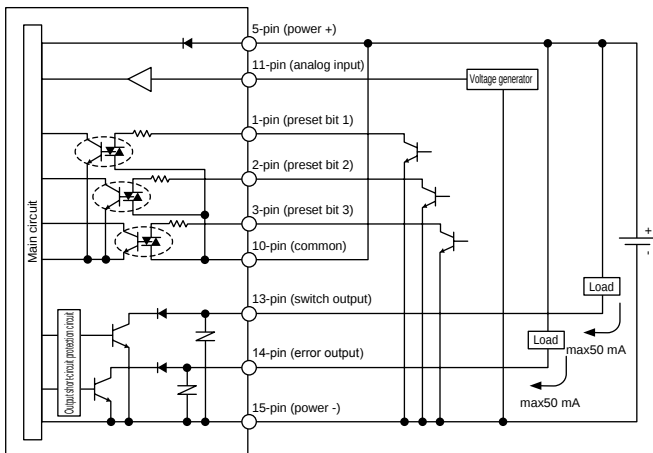
EVD-1□-0□AN-□-□, EVD-1□-1□AN-□, EVD-1□-2□AN-□
EVD-3□-0□AN-□-□, EVD-3□-1□AN-□, EVD-3□-2□AN-□
(Analog input, analog output + error output NPN output)



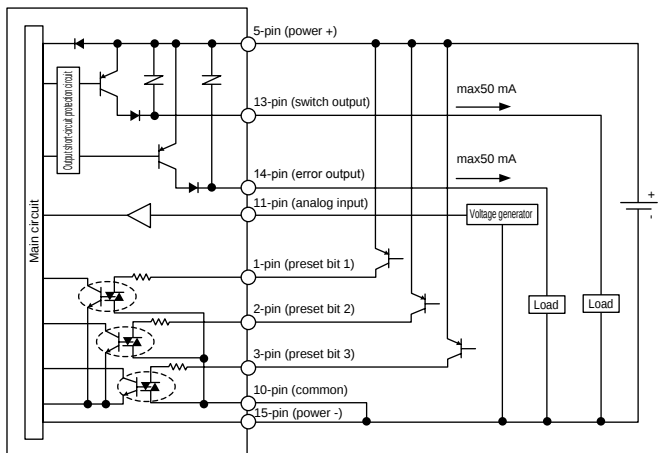
EVD-1□-0□AP-□-□, EVD-1□-1□AP-□, EVD-1□-2□AP-□
EVD-3□-0□AP-□-□, EVD-3□-1□AP-□, EVD-3□-2□AP-□
(Analog input, analog output + error output PNP output)



EVD-1□-0□SN-□-□, EVD-1□-1□SN-□, EVD-1□-2□SN-□
EVD-3□-0□SN-□-□, EVD-3□-1□SN-□, EVD-3□-2□SN-□
(Analog input, switch output + error output NPN output)

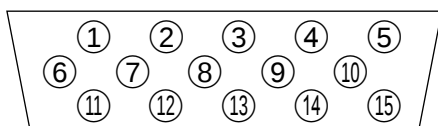


EVD-1□-0□SP-□-□, EVD-1□-1□SP-□, EVD-1□-2□SP-□
EVD-3□-0□SP-□-□, EVD-3□-1□SP-□, EVD-3□-2□SP-□
(Analog input, switch output + error output PNP output)



■ Connector pin layout (product body side)

[Analog input type]

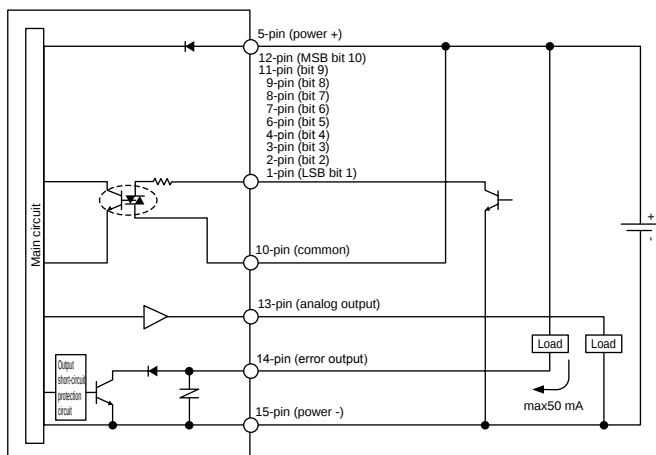


The analog input type

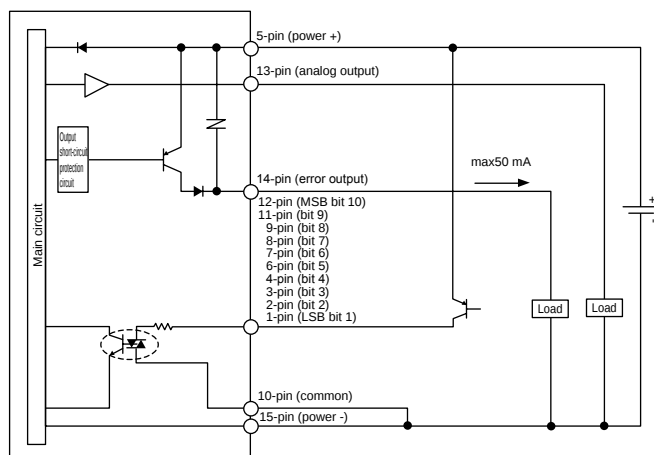
④ does not have the ⑥, ⑦, ⑧, ⑨, ⑫ or pins.

Example of internal circuit and load connection Parallel input

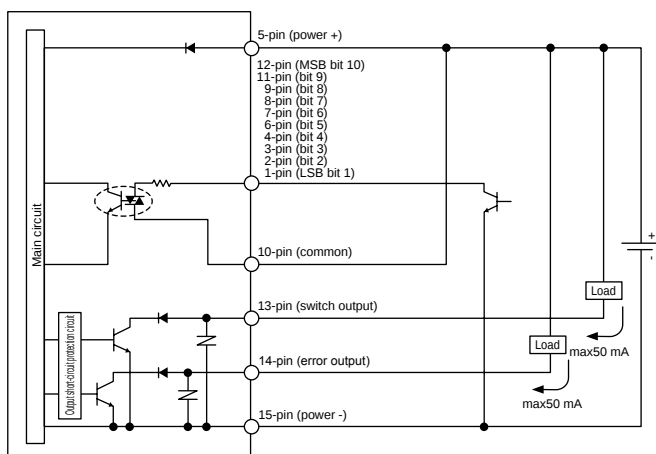
EVD-1□-P□AN-□-□
EVD-3□-P□AN-□-□
(Parallel input, analog output + error output NPN output)



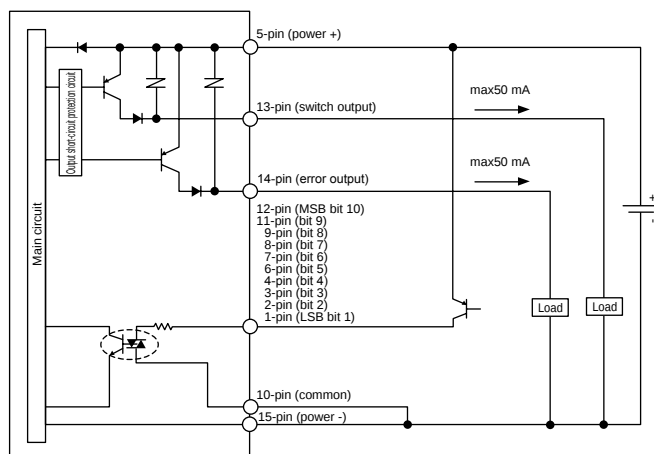
EVD-1□-P□AP-□-□
EVD-3□-P□AP-□-□
(Parallel input, analog output + error output PNP output)



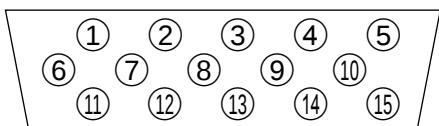
EVD-1□-P□SN-□-□
EVD-3□-P□SN-□-□
(Parallel input, switch output + error output NPN output)



EVD-1□-P□SP-□-□
EVD-3□-P□SP-□-□
(Parallel input, switch output + error output PNP output)



■ Connector pin layout (product body side)
[Parallel input type]



F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRiSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-Prohr
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

Input method

■ Relation of parallel input signal and control pressure

The parallel input signal has 10 bits, and when converted into a decimal is 0-1023.

Input signal = EVD setting pressure (kPa)/maximum control pressure x 1023
 The maximum control pressure is 100 kPa for EVD-1100
 500 kPa for EVD-1500
 900 kPa for EVD-1900.

Example: When setting 300 kPa with EVD-1500
 $300(\text{kPa})/500(\text{kPa}) \times 1023 = 613.8 \rightarrow 614$

(When back calculating with a setting of 614, it will be)
 $500(\text{kPa}) \times 614/1023 \approx 300(\text{kPa})$

When 614 (decimal) is converted into binary, the result is 1001100110. 1 sets the input signal to ON, and 0 sets the input signal to OFF. (Refer to table below)

D sub-socket pin No.	12	11	9	8	7	6	4	3	2	1
Cable option insulator color	Green (with black line)	White	Red (with black line)	White (with black line)	Pink	Light blue	Purple	Yellow	Orange	Brown
Input type	Bit 10 MSB	Bit 9	Bit 8	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1 LSB
Binary [for 614 (decimal)]	1	0	0	1	1	0	0	1	1	0
Input signal	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF

■ Relation of preset memory and input signal

D sub-socket pin No.	3	2	1	Preset memory
Cable option insulator color	Yellow	Orange	Brown	
Input type	Bit 3	Bit 2	Bit 1	
Input signal	OFF	OFF	OFF	P1
	OFF	OFF	ON	P2
	OFF	ON	OFF	P3
	OFF	ON	ON	P4
	ON	OFF	OFF	P5
	ON	OFF	ON	P6
	ON	ON	OFF	P7
	ON	ON	ON	P8