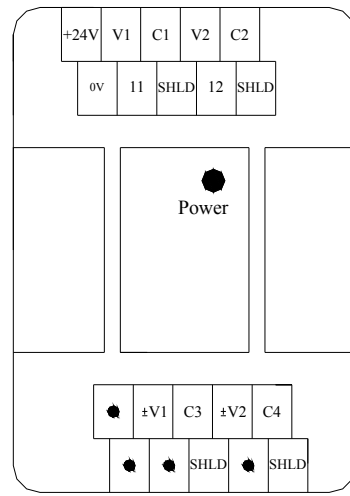


## Chapter 3 Expansion unit specification

### 2.5.5 TP02-2DA+ Specification

Item		Specification	
		Voltage	Current
Analog output range		0V~10V or 1V~5V, external impedance should be less than 500Ω	0mA~20mA or 4mA~20Ma, Principle figure 500Ω.
Data range		0000(0V)~4000(10V) or 0000(1V)~2000(5V)	0000(0mA)~2000(20mA) or 0000(4mA)~2000(20mA)
Resolution		2.5 mV	10 μA
Accuracy		±5% or less (at 25 °C)	±1% or less (0~55 °C)
Transmit speed		1scan time/ 4 Channel	
Terminal block	V1~V2	Voltage output terminal, input voltage signal between VC	
	C1~C2	Common ground	
	V1±~V2±	Voltage output terminal, output voltage signal (-10V~+10V)between V and C terminal (V1,V2 and V1±,V2± can not be used at same time)	
	C3~C4	Common ground	
	I1~I2	output terminals for Current signal between I,C .	
	SHLD	Please connect Shielded terminal to FG on the House. And all shielded terminals are internally connected.	
	24V	24VDC Power input terminal(+)	
	0V	24VDC Power input terminal(-)	
Power indicator		LED (5V power LED: Green)	
Internal power supply		5VDC:Max current 50mA	
External power		24VDC±10%(Consumption current: Max 100 mA)	
Accessory		Installation manual, Expansion cable(TP-042EC : 4cm, 14pin)	
Principle figure			



Outline figure

## Chapter 3 Expansion unit specification

### 2.5.6 TP03-2DA Specification

Item		Specification			
		Voltage		Current	
Analog output range		V0-C0,V1-C1:	0V~10V or 1V~5V	I0-C0, I1-C1:	0mA~20mA or 4mA~20mA.
		±V0-C2, C1-C3:	-10V~+10V.		
		external impedance should be more than 500Ω			external impedance should be less than 500Ω.
Data range		0000(0V) ~ 4000(10V) or 0000(1V) ~ 2000(5V) or 0000(-10V)~4000(+10V)		0000(0mA) ~ 2000(20mA) or 0000(4mA) ~ 2000(20mA)	
Resolution		2.5 mV		10 μA	
Accuracy		±1% or less (at 25 °C)		±1% or less (0~55 °C)	
Transmit speed		1scan time/ 4 Channel			
Terminal block	V0~V1	Voltage output terminal, output voltage signal between terminal V and C.			
	I0~I1	Current output terminal, output current signal between terminal I and C			
	C0~C1	Common ground for V0~V2,I0~I2			
	V0±~ V1±	Voltage output terminal, output voltage signal (-10V~+10V)between V and C terminal (V0,V1 and V0±,V1± can not be used at same time)			
	C2~C3	Common ground for V0±~V1±			
	24V	24VDCPower input terminal(+)			
	0V	24VDCPower input terminal(-)			
	Power indicator	PWR:+24 V Power LED(Green) LNK: Link LED(Green)			
internal power	5VDC:Max current 30mA				
External power	24VDC±10%(Consumption current: Max 100 mA)				
Accessory	Installation manual, Expansion cable(TP-304EC : 6cm, 26pin)				
Principle figure	