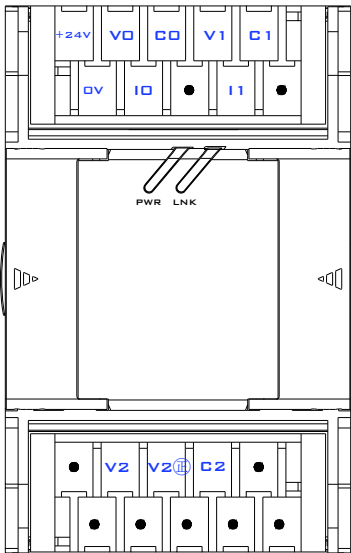


Chapter 3 Expansion unit specification

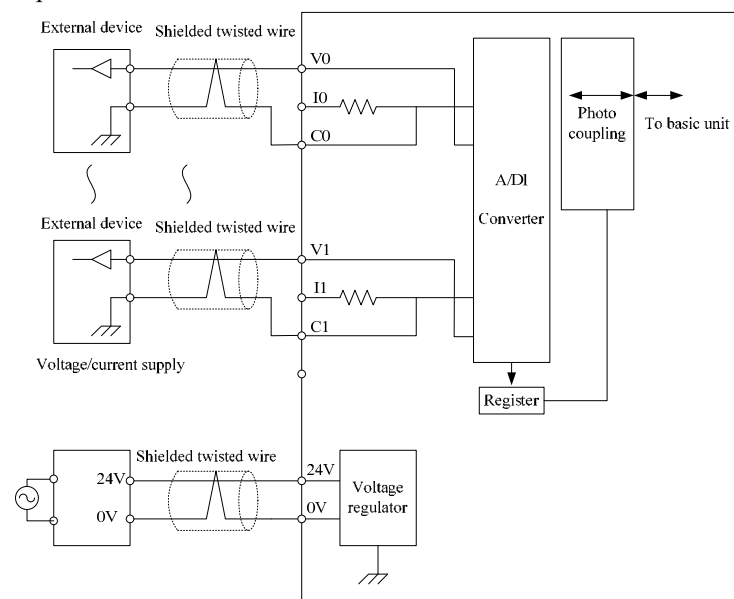
2.5.7 TP03-3MA Specification

Item		Specification			
		Voltage		Current	
Input	Input range	Vin0-COM0 Vin1-COM1	0V~10V or 1V~5V	Iin0-COM0 Iin1-COM1	0mA~20mA or 4mA~20mA ,
		Input impedance 30KΩ		Input impedance 250Ω	
	Data range	0000(0V)~4000(10V) or 0000(1V)~2000(5V)		0000(0mA)~2000(20mA) or 0000(4mA)~2000(20mA)	
Output	Output range	Vout -COM	0V~10V or 1V~5V	Iout -COM	0mA~20mA or 4mA~20mA.
		Vout± -COM	-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 ℃)		±1% or less (0~55 ℃)	
Transmission speed		1scan time/ 3 Channel			
Terminal block	Vin0~Vin1	Voltage output terminal, output voltage signal between terminal V and C.			
	Iin0~Iin1	Current input terminals for Current signal between I,C and short circuit V, I.			
	Com0~Com1	Common ground for Vin0~Vin1or Iin1~Iin1			
	Vout or Vout±	Voltage output terminal, output voltage signal (-10V~+10V)between Vout and Cout terminal (Vout and Vout± can not be used at same time)			
	Iout	Current output terminal ,output current signal(0~20mA) between Iout and Com.			
	Com	Common ground for Vout, Vout±,Iout			
	24V	24VCD input terminal(+)			
	0V	24VCD input terminal(-)			
Power indicator		PWR:+24 V Power LED(Green) LNK: Link LED(Green)			
internal power supply		5VDC:Max current 30mA			
External power supply		24VDC±20%(Consumption current: Max 85 mA)			
Accessory		Installation manual, Expansion cable(TP03-304EC : 6cm, 26pin)			

Chapter 3 Expansion unit specification

Principle figure

Input circuit



Output circuit

