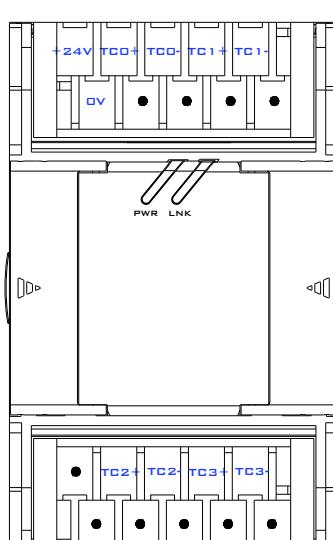
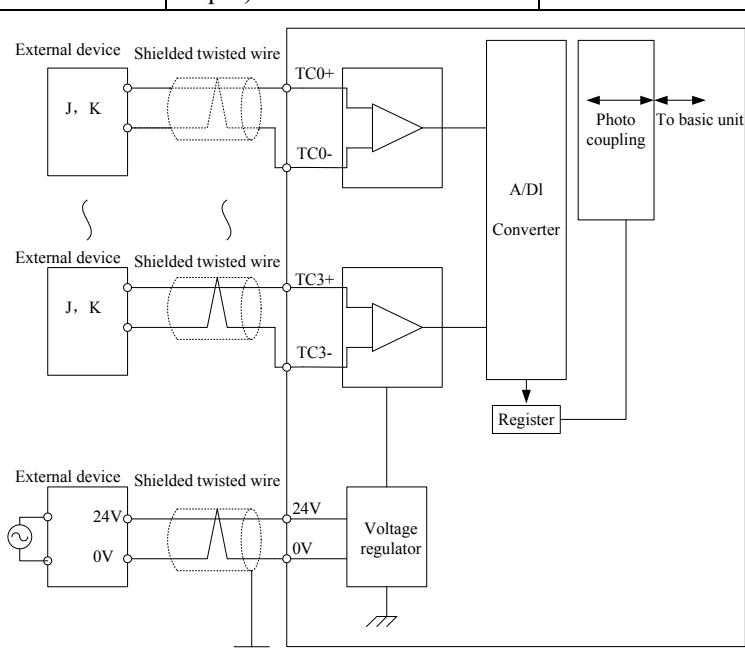


Chapter 3 Expansion unit specification

2.5.4 TP03-4TM Specification

Item	Specification	
	J-type	K-type
Temperature range	0°C~700°C	0°C~1200°C
Digital output	0000~4000	0000~4000
Resolution	2.5 mV	
Accuracy	±0.5% FSR (0°C~1200°C)	
Sensor type	Thermocouple J-type /K-type	 <p>Outline figure</p>
Transmit speed	1scan time/ 4 Channel	
Terminal block	TC0+~TC3+	Thermistor (J,K type) signal input+ terminal
	TC0~-TC3-	Thermistor (J,K type) signal input- terminal
	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 50mA	
External power	24VDC±20% (Consumption current: Max 100 mA)	
Accessory	Installation manual, Expansion cable(TP03-304EC : 6cm, 26pin)	
Principle figure	 <p>The principle figure illustrates the internal logic of the expansion unit. It shows three sets of inputs: <ul style="list-style-type: none"> External device J, K connected to TC0+ and TC0- through a shielded twisted wire. External device J, K connected to TC3+ and TC3- through a shielded twisted wire. Power supply 24V and 0V connected to a Voltage regulator. The signals from the sensors pass through operational amplifiers and then to an A/D Converter. The A/D Converter outputs to a Register. The Register is connected to a Photo coupling, which then connects to the basic unit.</p>	