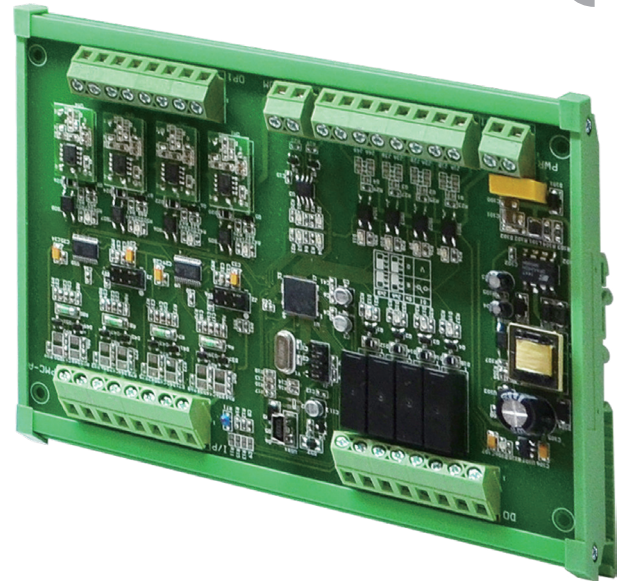# Packing Machine Controller

The Packing machine controller, PMC, is specifically designed for packing machine to regulate the process temperature. The PMC equipped with 4-channel PID control loops, 4 digital outputs, 4 digital inputs and a RS485 communication port.
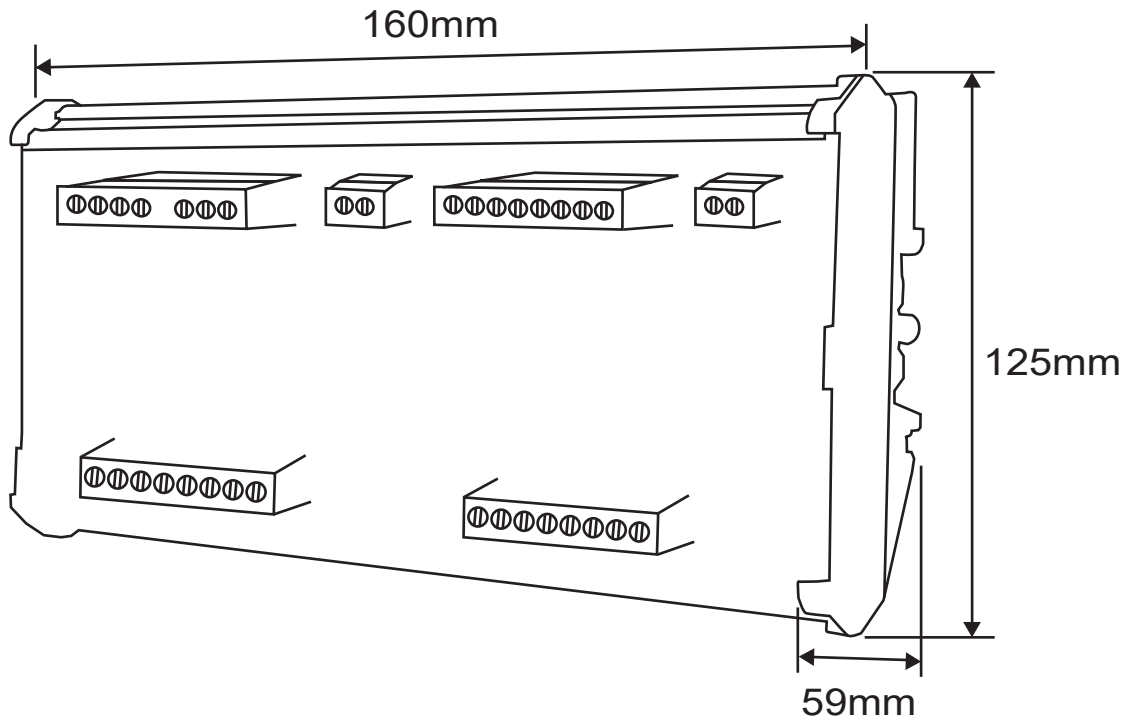
Features :

► DIN rail mount with compact size

► 4-channels PID control loops with thermocouple type J or K input, 2-wires PT100, and linear input

► High sampling rate : 100ms

► 4 DI (digital Input) and 4 DO (digital Output)

► RS485 communication interface with ModBus RTU protocol up to 115. 2K bps baud rate

► Easy to configuration with USB port
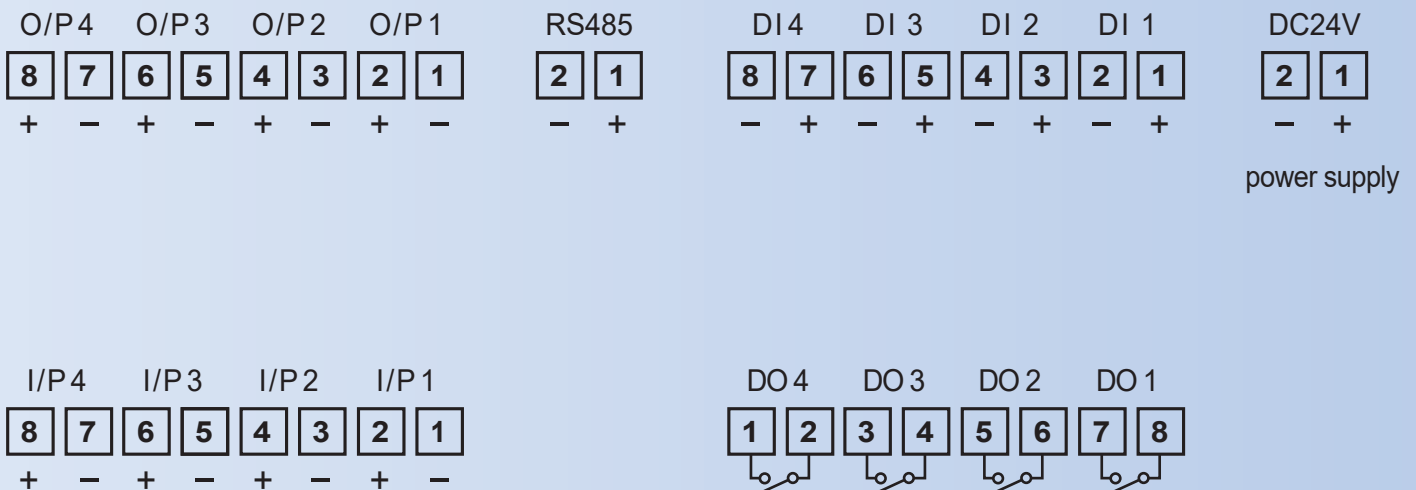
► Various control output: Relay, 4~20mA,Puls voltage

CE

Specification	
Input	Thermocouple：K,J,T
	Current：4~20mA
	Voltage：0~10V
Accuracy	T/C±1°C
	Linear±0.1%
Output Signal	RS485 Modbus RTU protocol (with communication indicator)
A/D Resolution	16 bits
Sampling Rate	200 ms
Input Impedance	DCmA：2.7Ω
	DCV：100KΩ
Output Load Impedance	4~20mA – 600ΩMax.
	0~10V – 600ΩMin.
Digital Output	SPST A type relay：110 VAC(5A) / 220 VAC(3A)
Isolation	4KV. between input and output
Size	160mm(L) x 125mm(W) x 59mm(H)
Mounting	DIN Rail
Operating Temperature	-10 to 50°C (Non-Condense Condition)

Dimension

160mm

125mm

59mm

Wiring Diagram

PMC

O/P 4		O/P 3		O/P 2		O/P 1		RS485		DI 4		DI 3		DI 2		DI 1		DC24V	
8	7	6	5	4	3	2	1	2	1	8	7	6	5	4	3	2	1	2	1
+	−	+	−	+	−	+	−	−	+	−	+	−	+	−	+	−	+	−	+

power supply

I/P 4		I/P 3		I/P 2		I/P 1		DO 4		DO 3		DO 2		DO 1	
8	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8
+	−	+	−	+	−	+	−								

Ordering Information

PMC ☐ ☐

Input	Code
T/C (K.J)	T
4~20mA	M
PT100 (2wires)	D
0-10V	V
0-60mV	L
Other	O

Output AO	Code
Relay	R
SSR	P
4~20mA (AO)	M
0~10V (AO)	V
Other	O