

## PTA8C04 4CH PT100 temperature sensor



**Demo :** <https://youtu.be/suhoAk8Lt-8>

### PTA9B01 PT100 RS485 Acquisition module Description:

Working voltage: DC 12V/24V

Working current: 14-18MA

MODBUS RTU protocol, 03 read command, 06 or 16 write command.

Serial port baud rate: 9600 (default), N, 8, 1

By modifying the 485 address, up to 247 modules can be cascaded (more than 16 please use R485 repeater)

Can read temperature and PT100 resistance value

Adapted sensor: PT100 3-wire or 2-wire sensor

Temperature measurement range: A version -40°C to +220°C; B version -40°C to +500°C. It is recommended to select a version with a smaller range within the range that meets the measurement.

Temperature measurement accuracy: 1%.

Size: 93 X 87 X 41MM

Weight: 122g

MODBUS RTU protocol    please refer to : "PTA8C04 4CH PT100 RS485 sensor protocol "

### **PT100 sensor specifications:**

Type: PT100

Probe Diameter: 6.5mm

Probe Length: 30mm

Probe Material : Stainless steel

Cable Length: 0.5M

PTFE sheath 3-Wire type

Temperature -200~550°C degree

### **DIN rail Box parameters:**

Product model: UM72

Color: Green

Width: suitable for PCB board width UM72(72mm)

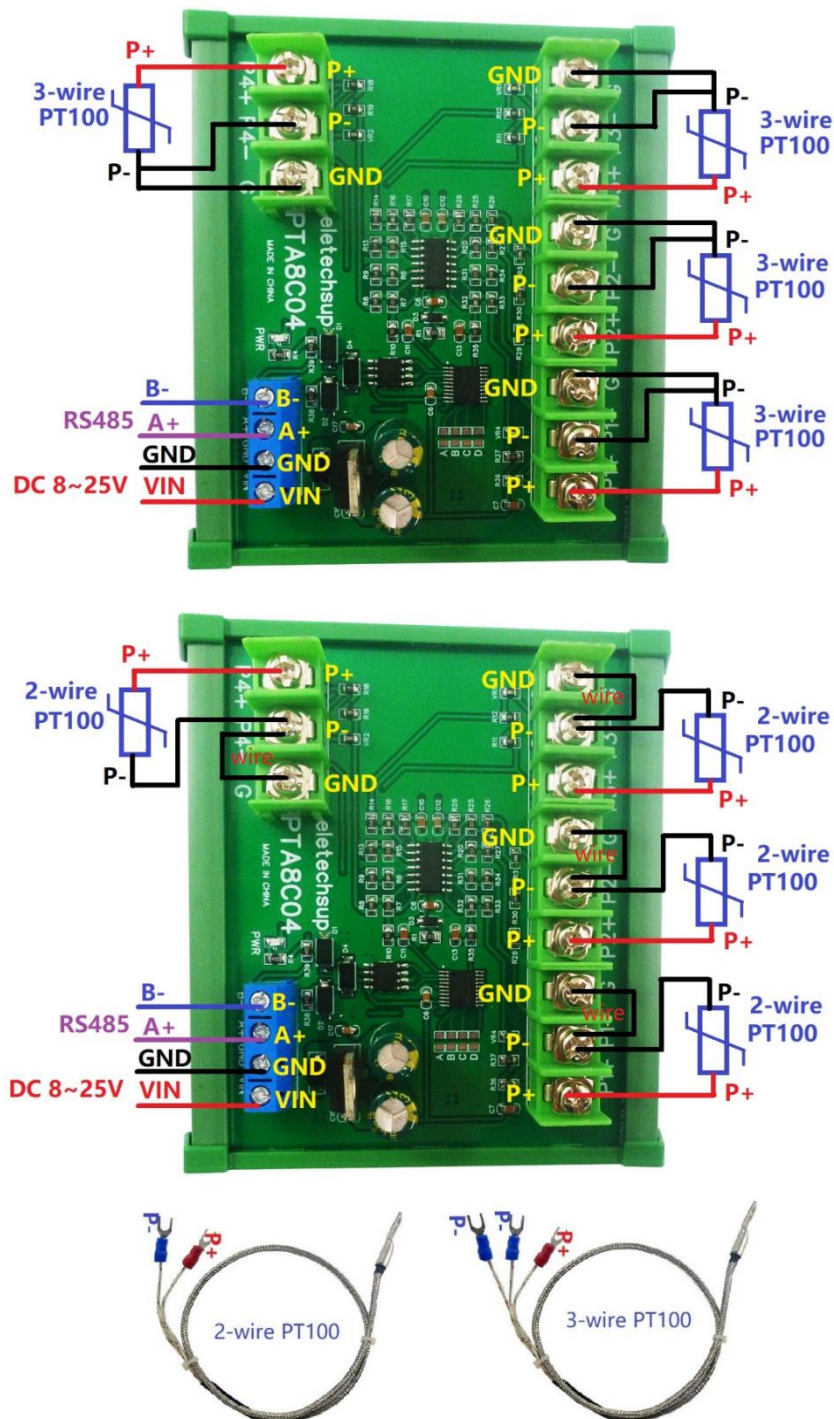
Insulation grade: flame-retardant VO grade

Backplane length: suitable for 90 mm PCB boards

Net weight: 99g

Installation: DIN35 and C45 rail

## Wiring diagram:



3-wire probe wiring mode: the red wire is connected to P+, and the other two wires of the same color are connected to P- and GND (the ports are not distinguished).

2-wire probe wiring mode: The red line is connected to P+, the blue line is connected to P-, and the P- and GND are connected with a wire.

## RS485 bus wiring diagram:

