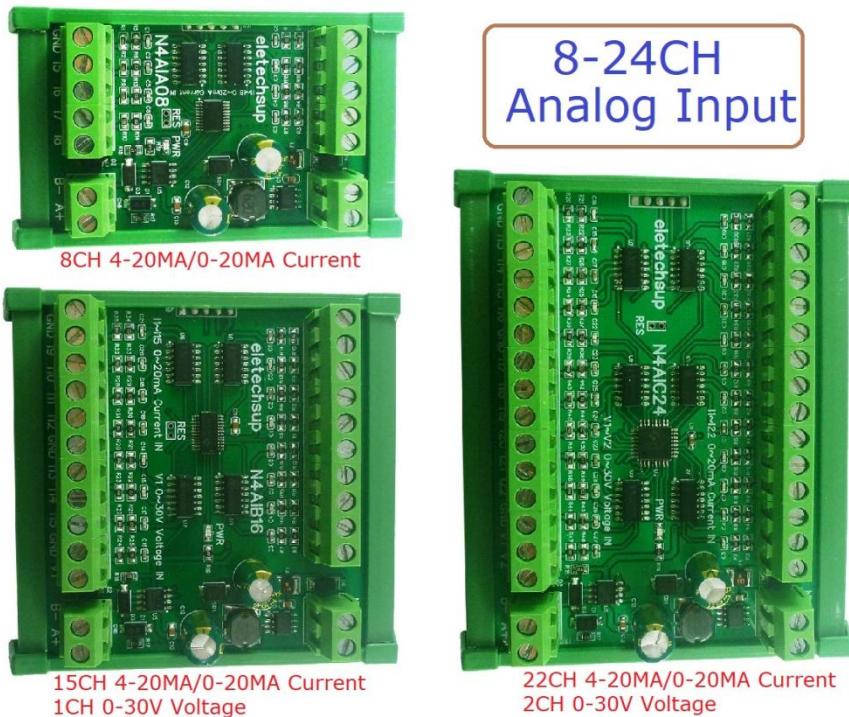


## N4AIA08 N4AIB16 N4AIC24 Manual



### Features:

- 1 Working voltage: DC 7-25V (DC 12V/24V)
- 2 Working current: standby 6-8mA, working current 10-30mA
- 3 Support standard Modbus RTU command, function code: write 06/16 read 03/04
- 4 With hardware reset function, RS485 with TVS anti-surge protection, anti-reverse power supply and self-recovery fuse
5. In MODBUS command mode, up to 64 devices can be used in parallel
- 6 The default baud rate is 9600BPS, the baud rate can be selected by command 1200 2400 4800 19200 38400 57600 115200BPS
- 7 You can choose the check mode is no check, even check and odd check
- 8 You can set the data sending return time, the maximum can be set to 1000ms
- 9 Maximum load: 10A/250VAC, 10A/125VAC, 10A /30VDC, 10A /28VDC, 10A /12VDC

### N4AIA08 version:

8-channel 0-20mA/4-20mA acquisition

Dimensions 47\*72\*12mm (circuit board) 49\*82\*40mm (box with guide rail):

Weight: 33 grams (circuit board); 77 grams (box with rails)

### N4AIB16 version:

15 channels 0-20mA/4-20mA acquisition and 1 channel 0-30V voltage acquisition;

Size 77\* 72 \* 12mm (circuit board) 79\* 82\*40mm (with rail box):

Weight: 54 grams (circuit board); 116 grams (with rail box)

N4AIC24 version:

22-channel 0-20mA/4-20mA acquisition and 2-channel 0-30V voltage acquisition;

Size 99\* 72 \* 12mm (circuit board) 101\* 82\*40mm (with rail box):

Weight: 70 grams (circuit board); 146 grams (with rail box)

#### **Interface definition:**

VIN : Power input+

GND: Power input-

I1: Current input channel 1

I2: Current input channel 2

I3: Current input channel 3

I4: Current input channel 4

I8: Current input channel 8

I15: Current input channel 15

I22: Current input channel 22

V1+: Voltage input channel 1

V2+: Voltage input channel 2

A+: RS485 signal A+

B-: RS485 signal B-

#### **Application**

PLC Output expansion board

Smart Home, Home Automation ,Wiser Home;

PTZ CCTV Camera

Security Monitoring

Identification system;

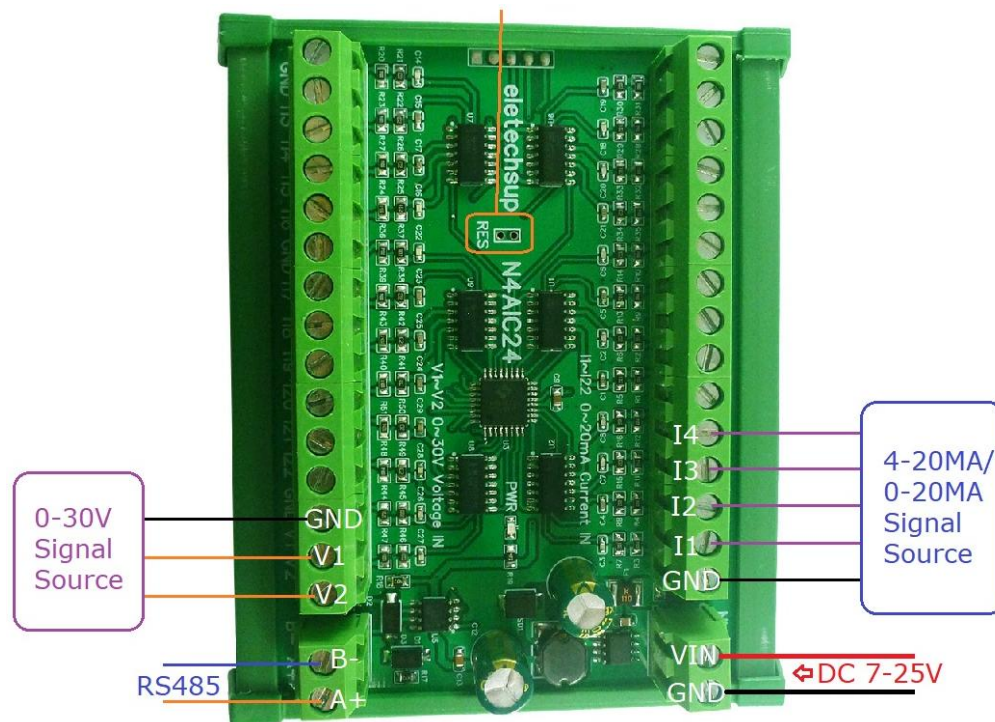
Motor FW & BW

Automatic curtain control

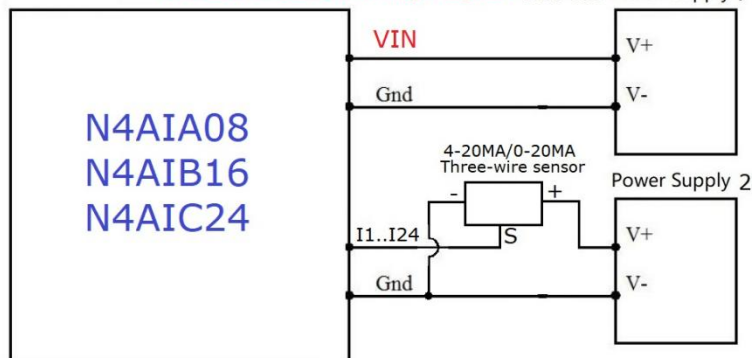
4-20mA current instrumentation

0-10V/24V Voltage instrumentation

## Wiring Diagram



Three-wire sensor wiring diagram DC 7-25V Power Supply 1



Two-wire sensor wiring diagram DC 7-25V Power Supply 1

