

# RTD

## Specification

Signal type and measure range are programmable

Transfer accuracy up to 0.1%

CZ3071

Overrange, LFD and alarm function

1/1

### Input

Signal type and measure range

PT100, Cu100, Cu50

### Output

Output current/load resistance

0/4-20mA /  $R_L \leq 300\Omega$

(Note: current output:  $R_L \leq 550\Omega$ , consumption current  $\leq 50\text{mA}$ , need to be customized)

Output voltage/load resistance

0/1-5V /  $R_L \geq 20k\Omega$

### General parameters

Supply voltage

20-35V DC

Power protection

Reverse protection

Current consumption (at 24V power supply, 20mA output)

$\leq 35\text{mA}$

Accuracy(20°C, 4-20mA)

See Table 2 in P16

Temperature drift(-20°C--+60°C)

0.01%F.S./°C

Response time

Reach 90% of final value in 1s

Dielectric strength (Among power, input and output)

1500V AC, 1min

Insulation resistance (Among power, input, output and shell)

$\geq 100\text{M}\Omega$ ; 500V DC

EMC

GB/T 18268(IEC 61326-1)

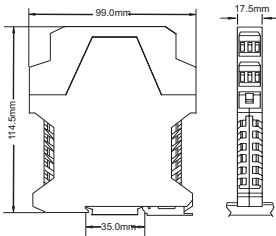
Ambient temperature

-20°C--+60°C

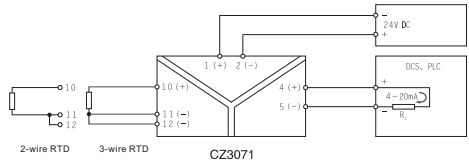
Suitable field apparatus

2-wire/3-wire RTD

## Dimensions



## Application



Note: 3-wire RTD input, maintain 3 wire resistance equal as far as possible;  
2-wire RTD input, terminal 11, 12 shorted.



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