

## AC/DC Current Sensor CYCS121G27

The **CYCS121G27** AC/DC current Sensor/Transducer works according to photoelectric isolation principle and is designed for applications to measurement and monitoring of small AC/DC current. The output signal of this transducer is proportional to input current. They are suitable for measurements and long time monitoring of C/DC currents etc.

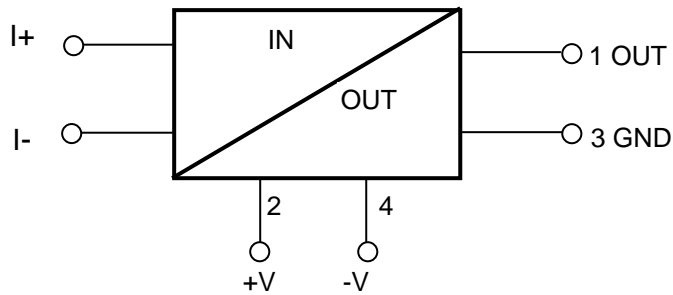
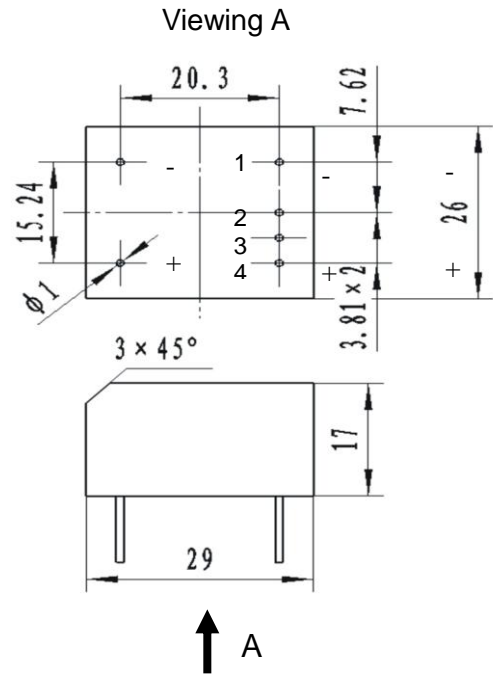
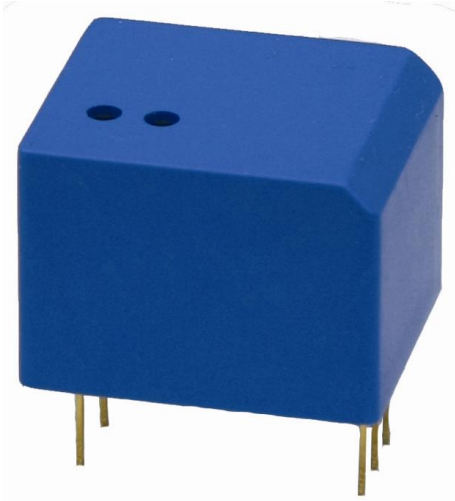
The sensor has the advantages of high measuring accuracy, high reliability, low thermal drift, low current consumption, small size, PCB mounting etc.

### Specifications

Part number	CYCS121G27
Rated input current range	0 ~ 0.1mA AC/DC
Linear measuring range	0 ~ 2 time of rated input current
Overload capacity	10 times
Frequency range	DC ~ 1.5kHz
Input resistance	Ri=1kΩ ±5%
Output signals	Tracing voltage 0-1V AC/DC
Measuring accuracy	0.5%
Load capacity	5mA
Response time	≤45μs
Thermal drift	150ppm/°C
Power supply	±12V DC
Static current	17mA
Isolation	Isolation between input and output, power supply at output
Isolation withstanding voltage	3 kV DC, 1min
Operating temperature	-10°C ~ +70°C
Storage temperature	-25°C ~ + 70°C
Relative humidity	10% ~ 90%
Protection of Case	IP20
Material of Case	ABS (According to UL94V-0)
Mounting	PCB
MTBF	30000 h
Unit weight	30g



## DIMENSIONS (mm)



Dimensions: 29mm x 26mm x 17mm

## Notice:

1. Connect the input current correctly
2. Make sure that the polarities are in right connection
3. If a meter is used to calibrate the output of the transducer, please make sure that the accuracy of the meter is higher than the transducer.