



## AC Current Sensor CYCS11-32H1

The **CYCS11-32H1** AC current Sensor/Transducer works according electro-magnetic induction and is designed for applications to measurement and monitoring of single phase AC current. The output signal (DC voltage) of this transducer is proportional to the average effective value (RMS) of input AC current. They are suitable for general applications such as fixed frequency voltage supplies etc.

### Specifications

Rated input current range	0.5A, 1A, 5A, 10A, 15A, 25A
Output signal	0-5V DC
Power supply	+12V DC
Measuring accuracy	0.5%
Isolation	between input, output power supply
Load resistance	≥2kΩ
Isolation withstanding voltage	2.5 kV DC, 1min, leakage current 1mA
Operating temperature	-10°C ~ +60°C
Storage temperature	-25°C ~ + 70°C
Relative humidity	10% ~ 90%
Response time	≤400ms
Overload capacity	20 times
Quiescent power consumption	200mW
Mounting	Din rail
Case style and Window size	H1 with aperture Ø6.5mm

### Definition of Part number:

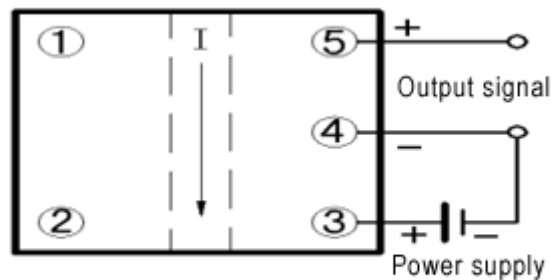
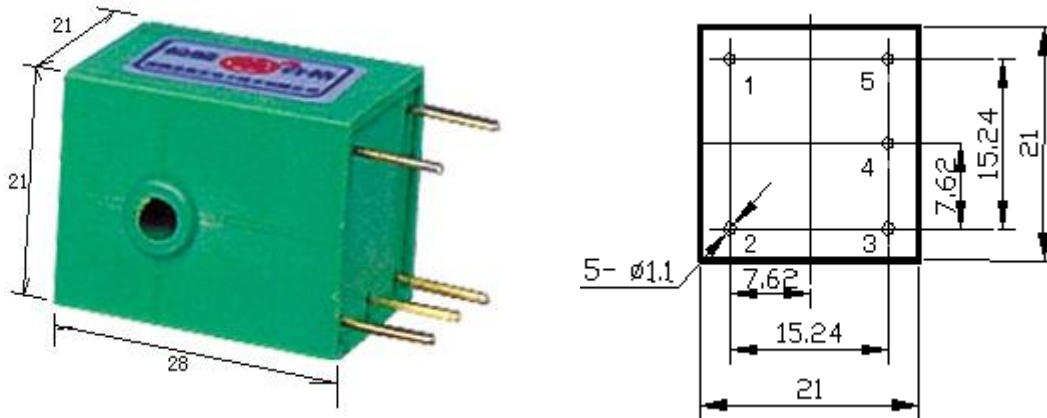
CYCS11	-	3	2	H1	-	0.5	-	m
(1)		(2)	(3)	(4)		(5)		(6)

(1)	(2)	(3)	(4)	(5)	(6)
Series name	Output signal	Power supply	Case style	Accuracy class	Input current range (m)
CYCS11	<b>x=1:</b> tracing voltage 5V <b>x=3:</b> 0-5V DC	<b>n=2:</b> +12V DC	H1	0.5%	0.5A, 1A, 5A, 10A, 15A, 25A

**Typical Example:** CYCS11-32S4-0.5-10A, Single Phase AC Current sensor with  
Output signal: 0-5V DC  
Power supply: +12V DC  
Rated input current: 10A AC



## DIMENSIONS (mm)



Dimensions: 28mm x 21mm x 21mm  
Aperture: Ø6.5 mm

## Application:

- Multi-point current sensing and control panels
- Monitor lighting elements
- Monitor heating elements
- Remote current sensing
- Monitor motor faults

## Notice:

1. The conductor carrying the input current should pass through the center of the aperture as perpendicularly as possible.
2. Make sure that the polarities are in right connection. The output and the power supply must be common grounded at terminal 3.
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.