

Signal Isolation Amplifier/Transmitter

--- Large current output type DIN 1X1 ISO L-U(A)-P-O

Features	Applications
<ul style="list-style-type: none"> ● Accuracy linearity error grade:0.1,0.2,0.5. ● 4-20mA/0-5V/0-10V standard signal input. ● 0~100mA/0~500mA/0~1A current signal output. ● 0~1V(max 1A)/0~5V(max 500mA) voltage signal output. ● Signal input/output 3000VDC isolation. ● Auxiliary power supply:12V,15V,24V single power supply. ● No isolation between auxiliary power supply and output signal ● Standard DIN rail, industrial temperature range: - 45 ~ + 85 °C 	<ul style="list-style-type: none"> ● Industrial field signal isolation and amplification ● Amplify current signal or enhance voltage signal drive capability. ● Solenoid valve drive, solenoid switch controller ● Drive coil or high-power load. ● Ground interference restraint. ● PID Servo drive control

Introduction

SUNYUAN isolation transmitter of large current type is combined of high-precision isolated amplifier circuit and a group of amplification circuit. It is mainly applied to the occasion that has high standard on the drive capacity of current signal or voltage signal; it could also be used to drive solenoid valve, solenoid switch or high-power load. This product, set by standard DIN35 rail, has low cost, convenient operating and high reliability. Sunyuan isolation amplifier has wide application in the field of industrial control, auto equipment and building automatic control.

Model Selection

DIN 1X1 ISO L□ - U(A)□ - P□ - O□

Input/output

ISO: Isolation between input & output

Signal type

L: Linearity input/output

Input voltage or current

U1: 0-5V	A1: 0—1mA
U2: 0-10V	A2: 0—10mA
U3: 0-75mV	A3: 0-20mA
U4: 0-2.5V	A4: 4—20mA
U8: Customized	A8: Customized

Auxiliary power supply

P1: DC24V	P2: DC12V	
P3: DC5V	P4: DC15V	P8: Customized

Output signal

O4: 0-5V(max 500mA)	O5: 0-10V(max 200mA)
O6: 1-5V(max 500mA)	O8: Customized
O7: 0-1A(max 2Ω)	O9: 0-500mA(max 10Ω)



Product selection examples:

E.g. 1: isolation between input and output; signal type: linearity; input signal: 4-20mA; output signal: 0-1A, max 2Ω; auxiliary power supply: 24V

Product model: DIN 1X1 ISO L-A4- P1-O7

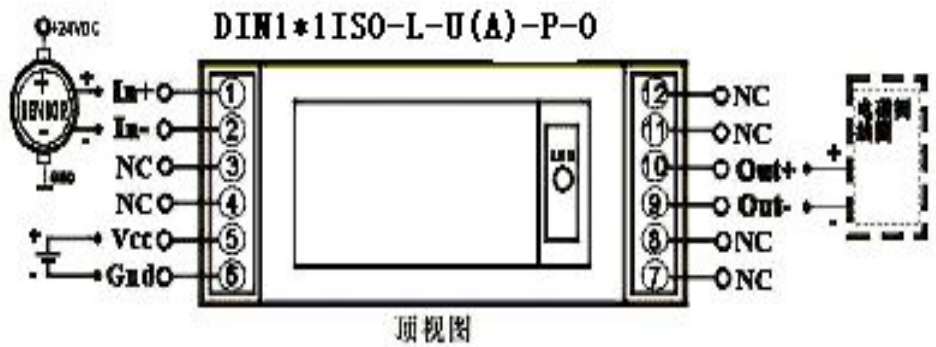
General Parameters

Accuracy ----- 0.1% 0.2% 0.5%	Response time ----- ≤300mS
Auxiliary power supply ----- DC5V、12V、15V、24V, ±10%	Watt consumption ----- < 10W
Input ----- DC voltage/current signal	Temperature Drift ----- 200ppm/°C
Load capacity ----- <5W	Isolation ----- signal input/output
Operation Temperature ----- -45 ~ +85°C	Dielectric resistance ----- ≥20MΩ
Operation Humidity ----- 10 ~ 90% (non-condensing)	Withstand voltage ----- signal input/output 3000VDC,1 minute,current leakage 1mA
Storage Temperature ----- -45 ~ +80°C	
Storage Humidity ----- 10 ~ 95% (non-condensing)	Withstand peak voltage----- 3KV, 1.2/50us(max)

Pin Description & Dimension

* Product label & model is marked on the surface

Pin	Description	
1	In+	Input channel +
2	In-	Input channel -
3	NC	NC
4	NC	NC
5	Vcc	APS +
6	GND	APS -
7	NC	NC
8	NC	NC
9	Out-	Output -
10	Out+	Output +
11	NC	NC
12	NC	NC



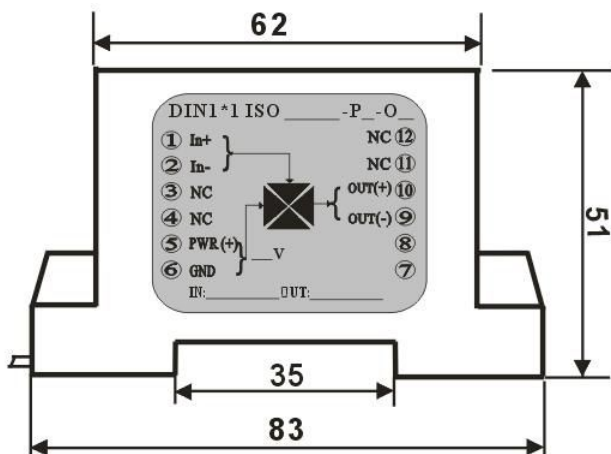
Input interface

Output interface

Front Point of View

Unit:mm

Bottom Point of View



Note: Specifications are subject to change without notice.