

DIN11 series ultra large 5A current signal isolation transmitter (aluminum alloy shell)

Main features:

- >>Accuracy and linearity error levels: 0.2, 0.5
- >>4-20mA/0-5V/0-10V and other standard signal inputs
- >>0~1V (max 5A)/0~10V/0-24V (max 5A) voltage signal output
- >>Signal input/output 3000VDC isolation
- >>Auxiliary power supply: 24V DC single power supply
- >>Screw fixed installation, plug-in terminal block
- >>Size: 120 x 105 x 29mm
- >>Industrial grade temperature range: -45~+85 °C



Application:

- >>Industrial site signal isolation and amplification DIN11F product appearance diagram
- >>Enhanced current signal amplification or voltage signal driving capability
- >>Electromagnetic valve, proportional valve linear actuator
- >>Electromagnetic switch linear controller
- >>Ground wire interference suppression

Product selection table:

DIN11F IAP - V(A)□ - P□ - V(A)□

Input signal				Power supply		output signal			
Voltage	code	electric current	code	Power	code	electric current	code	Voltage	code
0-5V	V1	0-1mA	A1	24VDC	P1	0-20mA	A3	0~5V	V1
0-10V	V2	0-10mA	A2			4-20mA	A4	0-10V	V2
0-75mV	V3	0-20ma	A3			User defined	Az	1-5V	V6
0-2.5V	V4	4-20mA	A4					User defined	Vz
User defined	Vz	User defined	Az						

Note: Please indicate the size of the output load resistor when placing an order.

Example of selection:

Example 1: Input signal: 0-10V Power supply: 24V Output signal: 0-5A Load resistance: 4.8 ohms Model: DIN11F IAP V2-P1 Az

Example 2: Input signal: 0-10V Power supply: 12V Output signal: 0-10V Load resistance: 2 ohms Model: DIN11F IAP V2-P2-V2

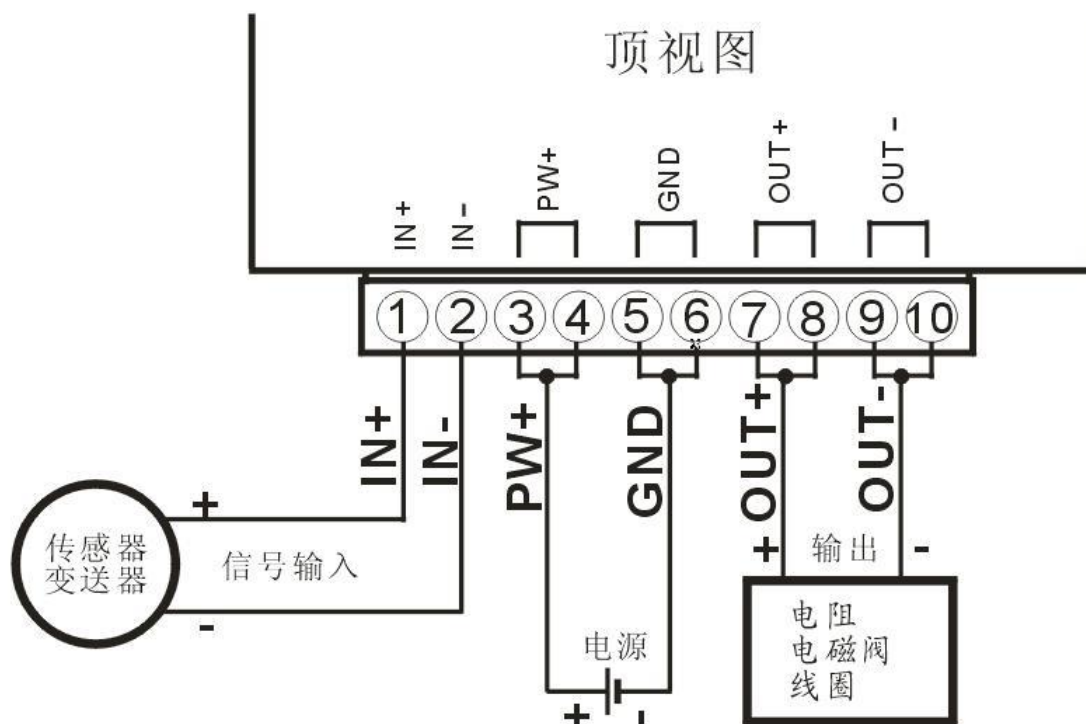
Example 3: Input signal: 0-3V Power supply: 24V Output signal: 0-24V Load resistance: 4.8 ohms Model: DIN11F IAP Vz-P1-Vz

General parameters

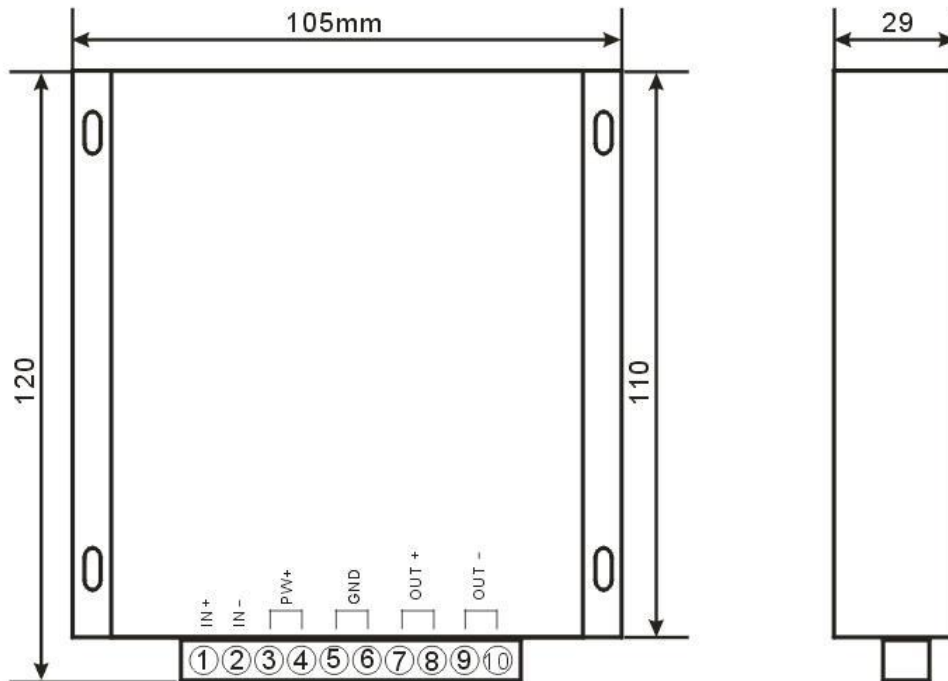
Parameter Name	Test conditions	minimum	Typical values	maximum	Company
quarantine	Isolation between signal input and signal output, no isolation between auxiliary power supply and output signal				
Isolation and voltage resistance	50Hz, 1 minute, leakage current 1mA		three thousand		VDC
Withstand impulse voltage	3.5KV, 1.2/50us (peak)				
working temperature		-45		+85	°C
Working humidity	No condensation	ten		ninety	%
Storage temperature		-45		+85	°C
Storage humidity		ten		ninety-five	°C

Pin	name	Description	Pin	name	Description
one	IN+	Analog signal input positive terminal	seven	OUT+	Analog signal output positive terminal
two	IN-	Analog signal input negative terminal	eight		
three	PW+	Positive end of power supply	nine	OUT-	Analog signal output negative terminal
four			ten		
five	GND	Negative end of power supply			
six					

Pin definition:



Dimensions: (Unit: mm)



There are 4 screw holes that can be fixed with screws

matters needing attention:

1. Before use, carefully check and confirm the quantity, model, and specifications of the product according to the packing list and product label.
2. When using, it is necessary to follow the wiring reference diagram corresponding to the selected product model, correctly connect the signal input, output, and power lines, check for errors, and then connect the power and signal.
3. When measuring signals directly with probes, please tighten the terminals.
4. The usage environment should be free of conductive dust and corrosive gases that can damage insulation and metals.
5. When installing centrally, the installation spacing should be $\geq 10\text{mm}$.
6. The product has been calibrated before leaving the factory, please do not adjust it arbitrarily. If on-site calibration is necessary, please contact our company.
7. The product is an integrated structure that cannot be disassembled, and collision and falling should be avoided. This product comes with a 2-year warranty, during which our company provides free maintenance or replacement. Any label on the product that is intentionally damaged, altered, or torn off will not be returned or exchanged.
8. There is no lightning protection circuit installed inside the product. When the input and output feeders of the product are exposed to harsh outdoor weather conditions, please take lightning protection measures.
9. Product specifications may be updated without prior notice.

guarantee:

Within two years from the date of sale, if the user complies with the storage, transportation, and usage requirements and the product quality is lower than the technical specifications, it can be returned to the factory for free repair. If damage is caused due to violation of operating regulations and requirements, device fees and maintenance fees shall be paid.

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