

SFP Isolated Signal amplifier With Power Output

Operation Instruction



1. Application

SFP series isolated signal amplifier has a 24VDC/30mA power output, it can be used as an isolated signal amplifier and a isolated power supply to two wire transmitter. It is widely used in industry process control system to overcome the field disturbance influence.

2. Technique features

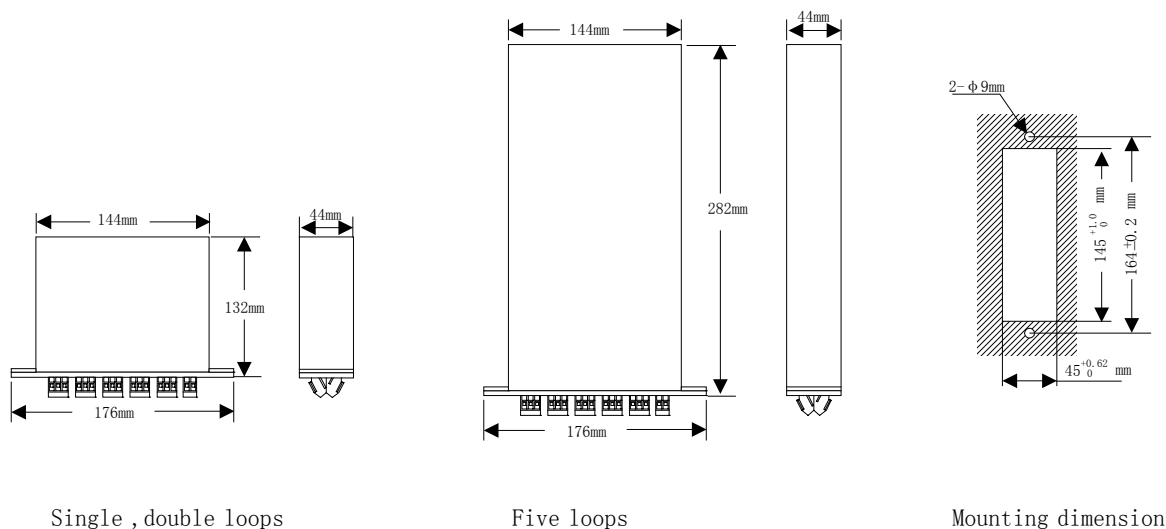
- 1). Input: 4~20mA;
- 2). Output: 4~20mA/1~5V;
- 3). Precision: $\pm 0.25\%F.S.$;
- 4). Loops number: Single loop/ two loops/ five loops;
- 5). Isolation voltage: 500VACMΩ
- 6). Power supply: 24V.DC $\pm 10\%$ 或 220VAC;
- 7). Power consumption: 1.5W/loop;
- 8). Working condition: 0~50℃, RH $\leq 85\%$

3. Ordering number

SFP		Isolated signal amplifier with power output	
loops	110		Single loop isolated signal amplifier with 24VDC output.
	130		Single loop isolated signal amplifier without 24VDC output.
	210		Double loops isolated signal amplifier with two inputs two outputs and 24VDC Power output
	220		Double loops isolated signal amplifier with one input two outputs and 24VDC power output
	230		Double loops isolated signal amplifier with two input two outputs, without 24VDC power output
	240		Double loops isolated signal amplifier with one input two outputs, without 24VDC power output
	510		Five loops isolated signal amplifier with five inputs five outputs and 24VDC power output
	520		Five loops isolated signal amplifier with one input five outputs and 24VDC power output
	530		Five loops isolated signal amplifier with five inputs five outputs, without 24VDC power output
	540		Five loops isolated signal amplifier with one input five outputs, without 24VDC power output
Power		0	24VDC
supply		A	220VAC

4. Installation and wiring

4.1 Outline



4.2 wiring

Note: Every loop has two outputs, the one is 1-5V output, the another is 4-20mA outputs. If you need only one output, another output must be shorted, otherwise it will working wrong. The load for 4-20mA output must be small than 510Ω ($R_L \leq 510\Omega$), the load for 1-5V output must be great than $250K\Omega$ ($R_L \geq 250k\Omega$).

