

AL-ZARD NPN Optocoupler

1. Module Overview

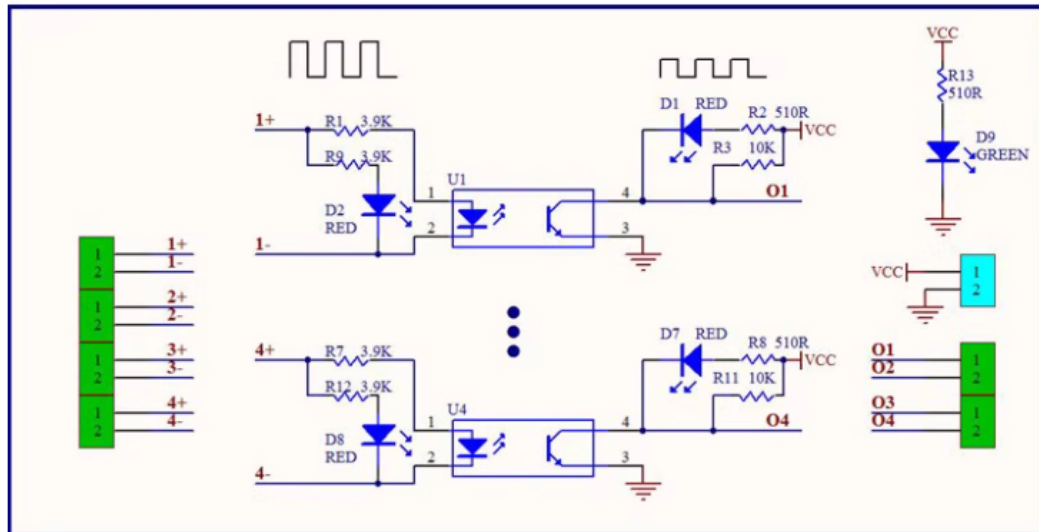
1. Adopting fully equipped original Taiwan optocouplers.
2. The maximum conversion frequency reaches 20KHZ.
3. Widely used for signal isolation, PLC signal level conversion, PNP, NPN signal conversion: NP signal, signal level voltage conversion
Change the purpose.
4. Module dimensions: 72 * 55 * 18mm (length * width * height), mounting hole dimensions: 64 * 47mm, aperture 3mm

2. Module terminal block and definition

function	label	Instructions
signal input	1+	First signal input positive pole
	1-	The first signal input negative pole
	2+	Second signal input positive pole
	2-	Second signal input negative pole
	3+	Third signal input positive pole
	3-	Third signal input negative pole
	4+	Fourth signal input positive pole
	4-	Fourth signal input negative pole
power input	VCC	DC power supply positive (*)
	GND	DC power supply negative
signal output	1	First signal output (Output)
	2	Second signal output (Output)
	3	Third signal output (Output)
	4	Fourth signal output (Output)

(*): The DC power supply is at the same voltage as the signal output. For example, if the signal is 24V to 5V, then VCC=5V input.

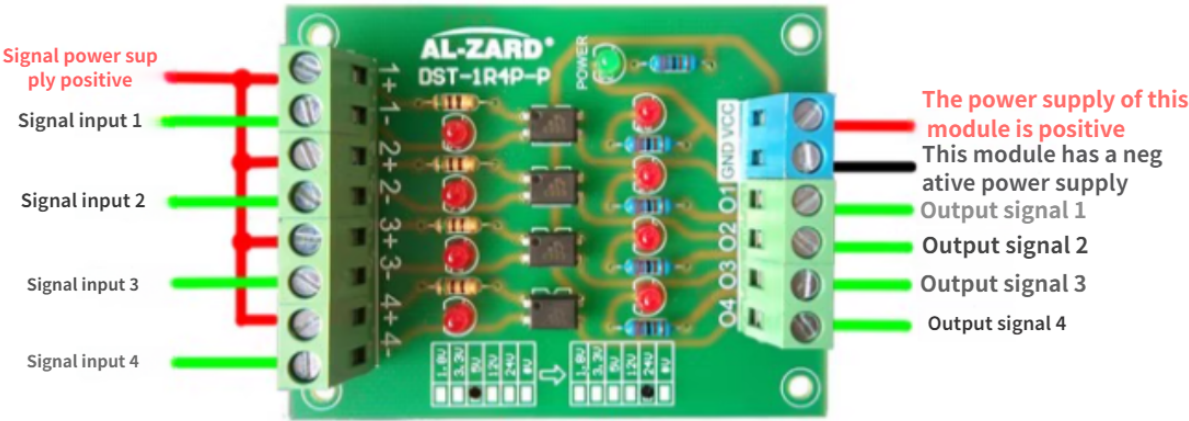
3. Internal structure diagram of module:



4. Module wiring diagram: (The output signal is a few volts, and the module power supply uses a few volts. Below

Taking "24V to 5V" as an example, the signal conversion for other voltages is the same

1.Common anode signal input:



Input/output truth table	
signal input	signal output
H (high level) (24V)	H (high level)(5V)
L (low level) (0V)	L (low level) (0V)

Note: In this example, the signal power supply is DC+24V, and the module power supply is DC+5V.

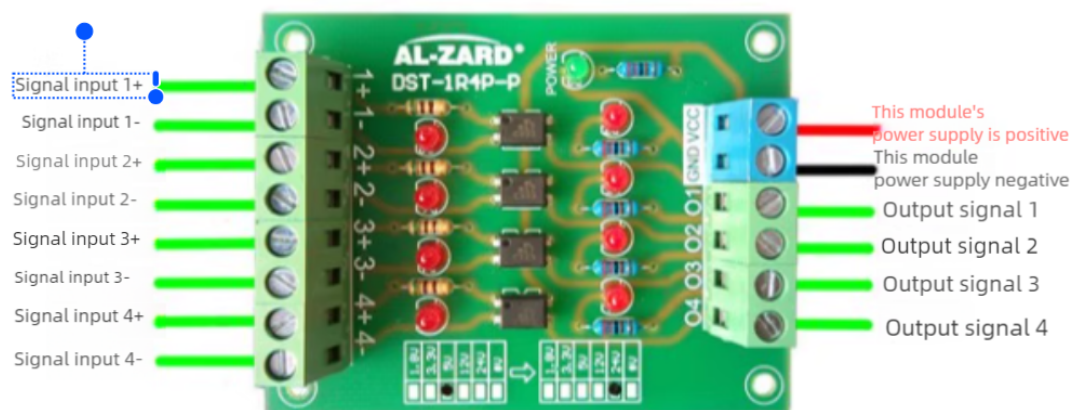
2. Common cathode signal input:



Input/output truth table	
signal input	signal output
H (high level) (24V)	L (low level) (0V)
L (low level) (0V)	H (high level) (5V)

Note: The power supply for this module is DC+5V.

3.Differentialsignalinput:



Input/output truth table	
signal input	signal output
H (high level)	H (high level) (0V)
L (low level)	L (low level) (5V)

Note: The power supply for this module is DC+5V.