

Rotation sensor user manual

1. Product features

voltage	3.0V-5.3V
Number of pulses	20/circle
Fixed hole size	2.0mm

Principle:

Incremental encoder is a kind of rotary sensor which converts rotary displacement into a series of digital pulse signals. The number of output pulses in the process of positive and negative rotation can be counted by rotation. Unlike potentiometer, rotation counting has no limit. With the key on the rotary encoder, it can be reset to the initial state, that is counting from 0.

2. Main application

Solve the positioning problem in industrial control.

3. Interface definition

PIN	Name	Description
1	CLK	Combining with CLK to judge the rotation direction of encoder
2	DT	Combining with DT to judge the rotation direction of encoder
3	SW	Read whether the key of encoder is pressed
4	VCC	3.0-5.3V
5	GND	GROUND

