

RF Wireless Transmitter Module: TB-05

Feature:

Model No.: 0021038 (TB-05)

Dimensions: 49mm x 31mm x 8mm

Working Voltage: DC 6~9V

Working Current: 100~250mA

RF Sensitivity: -107dBm

Transmitting Distance: 3000m / 9000ft (in open field)

Transmitting Power: 26dBm (400mW)

Modulation Method: Amplitude modulation (ASK or OOK)

Encoding Mode: Fixed code by Soldering

Working Temperature: -20°C ~ +70°C

Frequency: We can offer 315 MHz or 433.92 MHz, you can choose one

Oscillation resistor / Timing resistor: We can offer 1.2M, 1.5M, 1.8M, 2.2M, 3.3M or 4.7M, you can choose one.

Reliable Control: Use an 8-bit code (Encoding).

Stable performance; using SAW (surface acoustic wave) to stabilize frequency

Wide working voltage range, large transmitting power and long transmission distance

Application:

Used for wireless calling system, burglar alarm, wireless data transmission, auto data collection system and so on.

Applied with our receivers

Notes:

The transmitting frequency, encoding mode and timing resistor should be compatible with the receiver.

It is best to use the antenna of 1/4 wavelength, for antenna has a great impact on receiving effect of the module; normally using 50Ω single core cable. For frequency 315MHz, the length of antenna is about 23cm; for 433MHz, it is about 17cm.

The position of antenna also affects the receiving effect of the module. When installing the antenna should be extended as much as possible and be away from the shield and the place in high pressure and interference.

Introduction of pin:

Pin	Function
D0	data pin
D1	data pin
D2	data pin
D3	data pin
+9V	positive power supply
GND	negative power supply
ANT	antenna

Operation:

Firstly, connect the positive of power to the pin of +9V and negative of power to GND. In the meanwhile, connect any one data pin of D0 ~ D3 to the pin of +9V. Then it will transmit the corresponding signal.

Codes Area:

See the following chart: H and L are the pads. The any one of eight foots soldered to the H pad means the state of code 1; while the any one of eight foots soldered to the L pad means the state of code 2. No soldering means state of code 0.

C7 ~ C0 stand for 8 bits code; for example, the code in chart is 02010000.

