

Transmitter Module: HFY-FST

Specification:

Working voltage: 3V ~ 12V
Working current: 20mA ~ 28mA
Standby current: 0mA
Working frequency: 315MHz
Transmitter distance: >500m (sensitivity can be above -103dBm if in wide field)
Output power: 16dBm (40mW)
Transmitter rate: <10Kbps
Modulation mode: OOK (AM)
Working temperature: -10°C ~ +70°C
Size: 19 x 19 x 8mm

Feature: Stable performance
Wider range of working voltage

Pins: PIN1, ATAD: data input
PIN2, VCC: power +
PIN3, GND: power -

Application:

Wireless calling system, burglar alarm, wireless data transmission, automated data acquisition system

Receiver Module (5V super-regeneration): HFY-J18

Specification:

Working voltage: DC 5V
Working current: 4mA
Modulation mode: OOK (AM)
Working temperature: -10°C ~ +70°C
Receiving sensitivity: -110dB
Working frequency: 315MHz
Size: 30 x 14 x 7mm

Feature: Using LC oscillating circuit, include amplification
Output data signal is TTL level
Connect to decoder directly

Pins: PIN1 ANT: antenna
PIN2 VCC: power +
PIN3/4 DATA: data output
PIN5 GND: power -

Application:

Wireless remote control switch, remote control socket, data transmission, remote control toys, anti-theft alarm host

Note: The antenna has large impact on reception of the module, the best antenna wavelength is 1/4, and generally use 50Ohm single wire, the antenna length of 315M one is about 23cm.

Also the position of the antenna affect the reception of the module, keep the antenna stretched and away from the shield, high pressure, and interference source as far as possible.

