

Report automatically

**Start symbol(1byte) + Data length(1byte) + Address(1byte) +
TAG type(1byte) + TAG data(X byte) + Check code(2byte) +
Stop symbol (1byte)**

- **Start symbol:** 7FH;
- **Data length:** 1byte ,the range is from **Address** to **Check code**(include **Address**, not include **Check code**) ;
- **Address:** TZ-RD06's RS485 address, depends on the command 042;
- **TAG type:** received TAG type,00H-TAG06/06
- **TAG data:** TAG ID + Status + Battery voltage + Temperature + Humidity + RSSI
TAG ID:4 byte,
Status:1 byte;
 bit7: Battery voltage status, 1-low Voltage, 0- Voltage normal;
 bit6: Temperature alert status,1- Temperature alert, 0- Temperature normal.
 bit5-0: reserved;

Battery voltage: 2 byte, unit: 1mv, MSB first,

i.e. 0C 50 means voltage is 3.152V;

Temperature:2byte,unit:0.1°C, MSB first,

bit15:tag is normal or abnormal

1- abnormal

0- normal

bit14:temperature is positive(+) or negative(-),

0-positive,

1-negative,

Bit13-0: temperature value

i.e. 01H 1FH means temperature is 28.7°C,

41H 1FH means temperature is -28.7°C,

80H 00H means tag abnormal;

Humidity:1 byte, unit:%, if it is FF means no humidity.

RSSI: 1 byte, unit:-dBm;

- **Check code:** 2 byte, LSB first,can see the **Check code** calculate function CRC16 at document RS485 modbus protocol v1.1
- **Stop symbol:** 03H.