

2.4G Device/person Real-time Position Tag Sense – TP03



Features:

- Long distance up to 100m
- High accuracy
- Anti-collision
- Fast-speed
- Low-Battery Alert

distance : 10m ~ 100m

Read speed : 100 U/S

Sense – TP03 2.4G Device/Person real-time position tag was designed based on open 2.4G ISM, low power, and long distance one way wireless active tag. It reports its ID to neighbor receiver, and then the server.

Use Cases

1. Asset Management
2. Person Management: School, enterprise, etc
3. Vehicle Management
4. Logistics system
5. Manufacturing management
6. Environment Management, etc

2.4G Device/person Real-time Position Tag Parameters

| Radio | |
|---------------------|----------------------------------|
| Frequency: | default 2425MHz |
| Modulation: | GFSK |
| Mode: | Active |
| Antenna: | Embedded |
| Antenna Number: | 1 |
| Rate: | 1Mbps (default) 250kbps、2Mbps |
| Power: | -20 dBm ~ +4 dBm, default 0dBm |
| Electrical | |
| Battery: | 220mAh |
| Air Voltage: | 8000V |
| IDLE Current: | < 1uA |
| Average Power: | 0.003mAh |
| Battery Life: | >=5 years with low battery alert |
| Environment | |
| Work Temperature | -20°C ~ +60°C |
| Storage Temperature | -40°C ~ +80°C |
| Humidity: | 5% ~ 95% RH |
| Protection levels | |
| Fall: | 1000mm |
| Others: | IP65 |
| Physical | |
| Weight: | 6.5g |
| Size: | 36.7mm × 23.5mm × 8.7mm |

FCC STATEMENT

- 1. This device complies with Part 15 of the FCC Rules.**
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including
interference that may cause undesired operation.
- 2. Changes or modifications not expressly approved by the party**
responsible for compliance could void the user's authority to operate the
equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.**
- Increase the separation between the equipment and receiver.**
- Connect the equipment into an outlet on a circuit different**
from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.**