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Personnel Tag

User manual

Zhejiang Zhier Information Technology Co., Ltd.

Version, Manual Vision 1.0

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1.Application

It is used for personnel location management, The badge obtains the address information of the IOT equipment that the person passes through according to the arranged IOT network equipment, and then transmits the address information to the map server to draw the track map.

2.Product composition

The personnel tag is composed of the upper clip, the middle alarm module, the lower card sleeve, and the rechargeable battery. As shown in Figure 1 below.

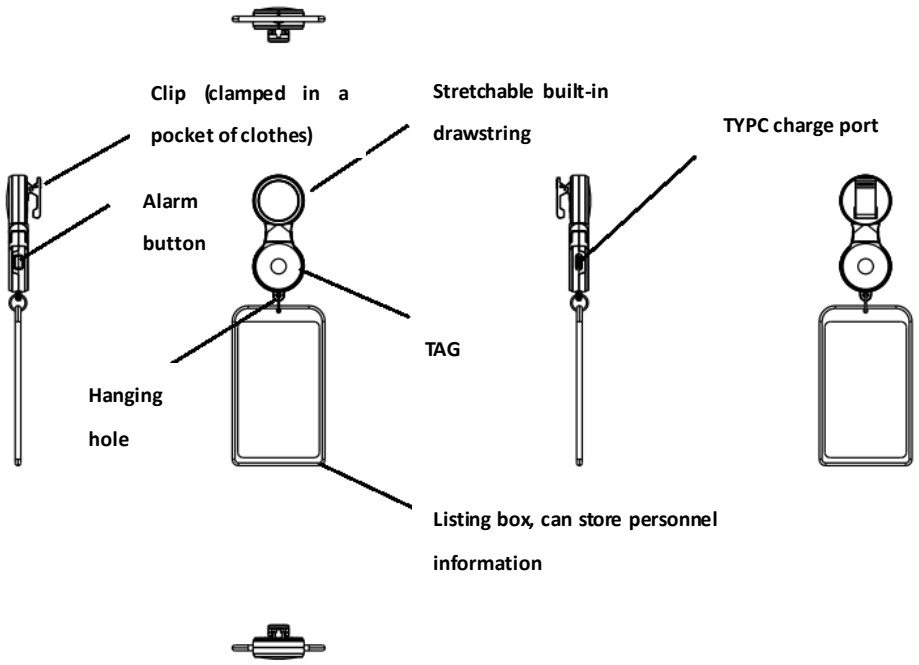

Figure 1, Personnel Tag

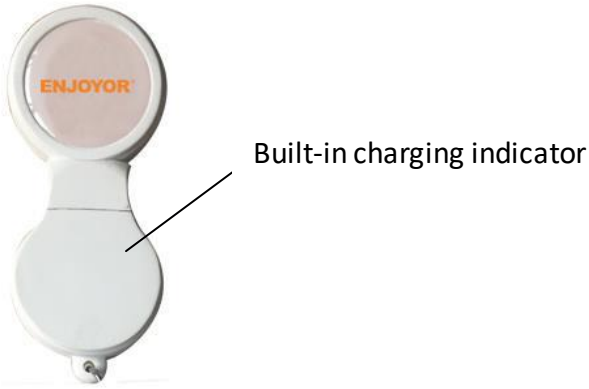

Figure2, Physical Personnel Tag

3.Specifications

1. Frequency: Support 433MHz, 125KHz reception.
2. Working voltage: 3.7VDC.
3. Working temperature and humidity: 5 ℃ -40 ℃, 0-90% RH.
4. Atmospheric pressure: 860hPa-1060hPa
5. Size, length * width * height = 79mm * 32mm * 12mm.
6. Equipment battery capacity: 3.7VDC, 50mAh
7. Charging interface: TyPC.
8. Charging power supply: input 100-240VAC, 50 / 60Hz, 0.15A; output 5VDC, 1A

4.Installation

This product is divided into upper and lower parts. The upper part is a stretchable built-in drawstring and a clip that clips on the clothes. The lower part is the place where the active labels and passive labels placed. The side is equipped with an alarm button and TYPC charging interface, and the bottom is a hanging hole. The upper and lower parts are connected by a lanyard. When the door is opened, the card can be easily swiped by the lanyard.

Functions,

1. One-touch alarm function,there is an alarm button on the label. Medical staff can press the call alarm in case of emergencies. When pressed, the charging indicator will flash to indicate that a call signal has been sent.
2. Card access control function,built-in passive labels, drop down alarm module can open the door controlled by RFID.
3. Hanging function, the lower part of the label should be set into hanging, which can be used to hang the sign worn by the personnel (print the information of medical personnel) on it.
4. Positioning function, The positioning signal is automatically sent to the server according to the locator, and the server draws a trajectory diagram according to the positioning signal.

5.Precautions

1. There is a built-in spring pull-tab in the drawstring, which is forbidden to be pulled cyclically.
2. The alarm module has a built-in power warning light. When the battery has no power, it will blink red at intervals.
3. This product is waterproof design, but it has a built-in rechargeable battery. It is strictly forbidden to clean it in boiling water to prevent damage to the battery.
4. When the battery cannot be charged and cannot be used, please do not disassemble it privately, contact our after-sales service for disposal.
5. It is recommended not to discard the equipment that cannot be used and put it together, please contact our company for disposal.

6.Maintenance

1. This product is powered by a rechargeable lithium battery, and the charging interface uses TyP-C. The charging indicator lights up when connected to charging (Figure 2 indicator), and the charging duration is around 1 hour.
2. The battery power needs to be checked through the software.

7. Transportation

The packaged products can be transported by ordinary transportation ways. The ambient temperature during transportation should be within the range of -10 ℃ -55 ℃, the relative humidity need to be less than 95%, and strong shock, vibration, extrusion and moisture should be prevented during transportation.

8. Storage

1. Avoid water splash, rain and direct sunlight;
2. Dry, well-ventilated room without corrosive substances. The ambient temperature need to be -10 ℃ -55 ℃, and the relative humidity is ≤95%.
4. Avoid strong electric or magnetic fields;
5. There is no strong vibration and impact in the storage place.
6. The packing box need to longer than 10cm from the ground and 50cm from the wall;

9. Basic Troubleshooting

Table1, Troubleshooting list

SN	Problem	Solution
1	Call button does not respond.	1. Check whether the power indicator flashes when pressed. If it does not, it means that there is no power and needs to be charged. 2. The indicator light will be on and there is still no response. Check whether it is under the area covered by the IOT. 3. If there is no response after the previous test,Please return to our company for repair.
2	The charging indicator will not be lit while charging	1. Check whether the interface is well contacted. 2. Check whether the output voltage is 5V / 1A. 3.If there is no response after the previous test,Please return to our company for repair.

10.Packing list

Table2, Packing list

SN	Name	Quantity	Unit
1	Personnel Tag	1	Pc.
2	Instructions	1	Pc.

CE Caution:

Use the Product in the environment with the temperature Between -10℃ and 40℃; Otherwise, it may damage your product. Products can only be used below 2000m altitude

For the following equipment:

Product Name: RFID Personnel Tag

Brand Name: --

Model No.: E-SB01

Zhejiang Zhier Information Technology Co., Ltd.

E-mail: qiliping@enjoyor.net

The product shall only be connected to a USB interface of version USB2.0 and that the connection to a power USB is allowed.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

This product is intended for sale and application in a business environment.

RED Article 10 2

-This product can be used across EU member states

RED Article 10 10

-The product is class 1 product, No restrictions

Frequency Range: 433.8MHz

RF Output Power: 3.221dBm(ERP)

Frequency Range: 125kHz(Receiver Only)

FCC Warning

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.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, 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 this 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.