To Costumers

Thank you very much for using Hytera patrol beacon_Ex POS_MARK! The product meets IP67 dust and water intrusion standard. To ensure that you acquire the great benefits from our products, please read this manual carefully especially on explosion protection.

The manual applies for the following product:

Patrol beacon_Ex POS_MARK.

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Content

Documentation Information

This section describes the conventions and revision history of this document.

Documentation Conventions

Icon Conventions

Icon	Description
Tip	Indicates information that can help you make better use of your product.
Note	Indicates references that can further describe the related topics.
Caution	Indicates situations that could cause data loss or equipment damage.
Warning	Indicates situations that could cause minor personal injury.
Danger	Indicates situations that could cause major personal injury or even death.

Notation Conventions

Item	Description
" "	The quotation marks enclose the name of a software interface element. For example, click "OK".
【】	The text in boldface denotes the name of a hardware button. For example, press the 【PTT】 key.
->	The symbol directs you to access a multi-level menu. For example, to select "New" from the "File" menu, we will describe it as follows: "File -> New".

Revision History

Version	Release Date	Description
V2.0.03	March 2017	Initial release.

1. Notification

- Anyone using this product must comply with the standard safety regulation and read the operation manual carefully to avoid any improper operation or damage to machine.

- It is strictly forbidden to connect or disassemble the product in any dangerous places.

- It is strictly forbidden to disassemble or refit the product not certified by explosion-proof inspection institution by yourself in any means. Only the original manufacturer can refit the product within the scope approved by the explosion-proof inspection institution. Unauthorized refit or dissemble shall result in invalidity to explosion-proof certification.

- Please use the product in the temperature range of -20℃～＋40℃ (explosive environment) and -20°C～+50° C (non-explosive environment).

- Please don't come near to the magnetic-sensitive electronic devices the when using the product.

2. Specification

2.1 General Specification

General	
Model	POS-MARK
Description	Patrol Beacon_Ex
RFID Frequency	2.45GHz
RFID Effective Distance	>10 meters
Dust & Water Intrusion	IP67
Dimension	85.5mm×85.5mm×23.5mm
Weight	Around 80g
Input Voltage Range	2.5V~3.6V
Operation Temperature	-20℃～＋40℃
ESD	Contact discharge ±8KV, air discharge ±15KV
Explosion-Proof Standard	Ex ib IIC T4 Gb/Ex ibD 21 T4 Db
Others	Comply with Hytera reliability test standard.

3. Explosion-Proof Beacon POS-MARK

3.1 Package List

POS-MARK package includes the following items. If any item is missing or damaged, please contact your dealer.

Num.	Name	Amount
1	Patrol Beacon_Ex	1
2	Operation Manual	1
3	Fixed Mounting Screw Set	1
4	Battery	2

3.2 Product Overview

POS-MARK is a RFID tag designed for explosive environment, sending signal of the tag at regular intervals and communicating with patrol devices.

3.3 Operation Instructions

1. Open the battery cover, load the battery and then put the cover back.

Fig. 1

2. Fixed the rack on the wall as shown in fig.2.

Fig. 2

3. Put the buckle of the beacon aligned with the two slots, and then insert the buckle and fixed to the slots.

4. When the radio (palm microphone) with patrol function enters into the communication range of the patrol beacon_Ex, the patrol radio (palm microphone) will receive the ID of the beacon, sending the patrol confirmation data to server.

4. Maintenance and Cleaning

In order to maintain the best performance and extend the service life, please be familiar with the following instructions so as to assure the daily maintenance and cleaning of the product.

Maintenance

- Do not puncture or scratch the product with hard object.

- Do not store the product in the environment containing substance that corrodes electronic circuits.

Cleaning

- Please Use clean dry lint-free cloth or brush to wipe the dust on the surface of this product and the dust attached to the charging pole regularly.

- Clean the product with neutral detergent and non-woven fabric. Please do not use detergents, alcohol, sprays or petroleum to clean the products so as to avoid damage to the surface and the case.

- After cleaning, make sure that the product is completely dry, otherwise don't use it.

5. Quality Assurance and Maintenance Terms

We promise that the product produced by our company can enjoy the following warranty service under the contract from the date of purchase if there is any occurrence of the defects in material or manufacturing process under the condition of normal use, operation and maintenance.

Scope and Duration of Warranty

6 months

⚠️Caution

Please pack the product properly with detailed fault description, and send it back to the place of purchase or to our designated after-sales service point. You can always seek help by calling our service hotline 400-830-7020.

The warranty terms do not include the following scenarios:

- Beyond the warranty period.

- The failure or damage of the product caused by the operation not following the instructions.

- The failure or damage of the product caused in abnormal or unusual application circumstances.

- The failure or damage of the product caused by modification, removal, or software update, firmware removal without authorization of our company.

- Our logo or serial number label on the product is torn, erased or unable to identify.

- The purchase date of the product can not be determined.

- The failure or damage of the product caused by force majeure like earthquake, flood, fire, etc.

- Normal wear and tear in the appearance of the product.

Special Notifications

- Within the limit permitted by law, our company do not compensate the money that exceeds the price of the product, or take responsibility of collateral damage caused by use loss, time loss, business loss, profit or income loss, product use inability

- The maintenance terms are formulated according to relevant national warranty, and the content of the terms will be accordingly modified due to factors such as technology development and market adjustment. Please refer to the changes in the maintenance terms issued by our customer service center. Please refer to the relevant national regulations with uncovered matters.

6. FCC STATEMENT

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.

7. IC STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s): Operation is

subject to the following Two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause

undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils

radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1)l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est

susceptible d'en compromettre le fonctionnement.