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# U-PROX

## U-PROX Tag Identifier



## Specifications

- Contactless active identifier for authorization of control system users access in hands-free mode
- Built-in activation button
- Works only with U-PROX SL and U-PROX SE readers
- Transmits the ID to the reader
- **Operating modes:** Button only and Active ID and button
- **Button mode:** Transmits ID on pressing the button
- Active ID and button mode: Broadcasts information periodically and interacts with reader based on distance

## Product Usage Instructions

### Switching Operating Modes

1. Press and hold the button on the device until the red indication appears
2. Briefly press the button on the device three times
3. The indicator will glow yellow if the device is in Active ID and Button mode
4. The indicator will glow green if the device is in Button Only mode

### Using U-PROX Tag

Readers support active mobile U-IDs PROX Tag and U-PROX Auto Tag devices.

## **Interaction with Readers in Door Mode on Pressing Button**

Approach the reader at a distance of 0.5 – 1 m and press the button on the U-PROX Tag. Data will be exchanged between the reader and the tag, allowing passage if access rules are satisfied.

## **Reader Interaction in Barrier Mode on Pressing Button**

Approach the reader at a distance of 3 – 12 m and press the button on the U-PROX Tag. Data exchange occurs, and access is granted if access rules are met.

## **Hands-Free with Readers in Door Mode**

Approach the reader at a distance of 0.5 – 1 m with the U-PROX Tag. Data exchange happens for access control based on ID code.

## **Hands-Free with Readers in Barrier Mode**

Get closer to the reader at a distance of 3 – 12 m while carrying the U-PROX Tag. Access control is granted based on ID code verification.

## **Description**

Contactless active identifier for authorization of control system users access in “hands-free” mode. Built-in activation button available.

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

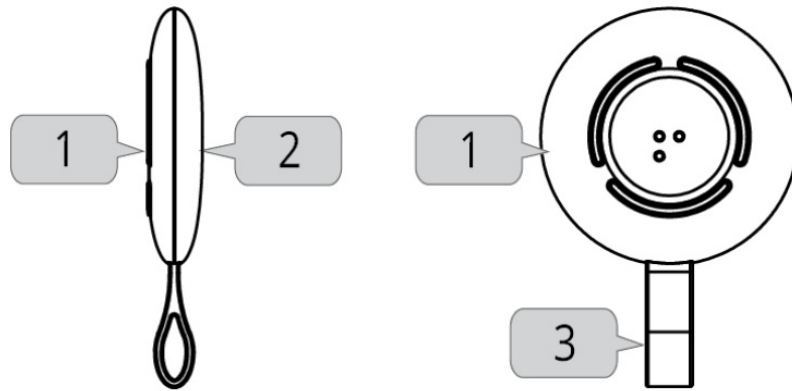
DISPOSE USED BATTERIES ACCORDING TO THE NATIONAL REGULATIONS.

U-PROX TAG SUPPLIED IN “ONLY BUTTON” MODE.

## **Features**

U-PROX Tag works only with U-PROX SL and U-PROX SE readers and serves to transmit the ID.

## **Functional parts of the device**



1. Button
2. Case cover
3. Fastening strap

## Operating modes

U-PROX Tag operates in two modes – button only and active ID and button.

### Button only

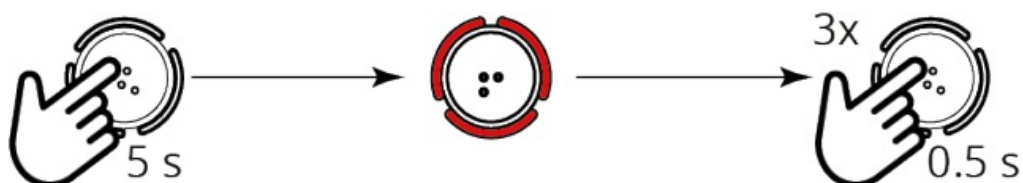
In this mode U-PROX Tag transmits the ID to the reader only on pressing the button.

### Active ID and button

- In this mode, U-PROX Tag periodically, each 0.9 seconds, broadcasts short information about himself and readiness to interact with the reader.
- After receiving such information, the reader calculates the distance to U-PROX Tag , and if it corresponds to the one configured in it, and if the reader has not yet interacted with this UPROX Tag, data is exchanged between the reader and the tag. The reader transmits the ID code received from the U-Prox Tag to the control panel.  
To interact with the reader again, the U-PROX Tag must leave the reader's range, or stop reporting for more than 6 seconds.

## Switching operating modes

1. Press and hold the button on the device until the red indication appears



2. Briefly press the button on the device three times
3. The indicator will glow yellow if the device is in “Active ID and Button” mode



4. The indicator will glow green if the device is in “Button Only” mode



## Using U-PROX Tag

Readers support active mobile U-IDs PROX Tag and U-PROX Auto Tag devices.

Interaction with readers in the “Door” mode on pressing button

Approach the reader at a distance of 0.5 – 1 m and press the button on the U-PROX Tag. Data will be exchanged between the reader and the tag, the reader will transmit the ID code from the U-PROX Tag to the control panel.

If the code satisfies the access rules, the control panel will allow passage (unlocks the lock, etc.).

Reader interaction in the “Barrier” mode on pressing the button

Approach the reader at a distance of 3 – 12 m (depending on the reader’s settings) and press the button on the U-PROX Tag. Data will be exchanged between the reader and the tag, the reader will transmit the ID code from the U-PROX Tag to the control panel. If the code satisfies the access rules, the control panel will allow passage (unlocks the lock, etc.).

### Hands-free with readers in mode “Door”

Approach the reader at a distance of 0.5 – 1 m, having the U-PROX Tag with you. Data will be exchanged between the reader and the tag, the reader will transmit the ID code from the U-PROX Tag to the control panel.

If the code satisfies the access rules, the control panel will allow passage (unlocks the lock, etc.).

## **Hands-free with readers in “Barrier” mode**

Get closer to the reader at a distance of 3 – 12 m (depending from reader setup) while carrying the U-PROX Tag. Data will be exchanged between the reader and the tag, the reader will transmit the ID code from the U-PROX Tag to the control panel .

If the code satisfies the access rules, the control panel will allow passage (will open the barrier, etc.).

## **Registration in the control system access**

Hold the U-PROX Tag to the desktop reader at a distance of 10 – 20 cm and press the button on the device. The code will be read and transmitted to the access control system for further registration.

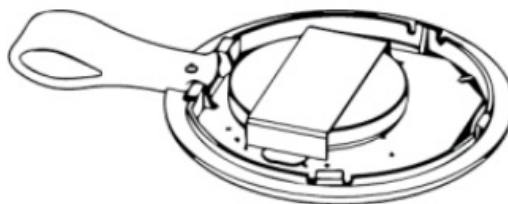
## **Battery replacement**

To replace the U-PROX Tag battery, you will need box cutter or another tool with the same thin blade.

1. Insert the blade of the knife into the gap between the top and bottom cover from the side opposite to the strap. Slide the blade around carefully to open latches that hold the top and bottom of the U-Prox case.

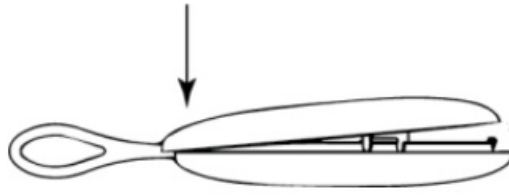


2. Slide the bottom cover towards the strap, and remove it
3. Replace the battery

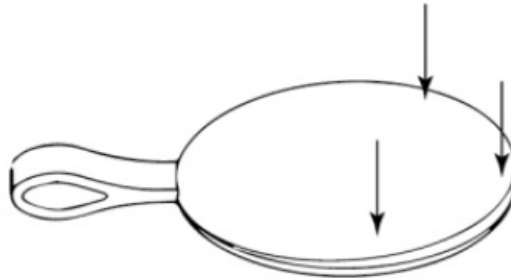


## **To assemble the U-PROX Tag:**

1. Secure the strap onto the pin on the top case cover
2. Place the board in line with the guides, with the battery upwards
3. Align the bottom case cover with the cut-out of the strap, with 1.5 mm offset.



4. Press on the strap cover and slide it down. Then gently push cover down and close the U-Prox Tag



## Warranty

Warranty for U-PROX devices (except batteries) is valid for two years after the purchase date. If the device operates incorrectly, please contact [support@u-prox.systems](mailto:support@u-prox.systems) at first, maybe it can be solved remotely.

## Frequently Asked Questions

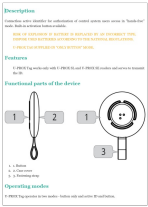
Can the U-PROX Tag be used with any reader?

No, the U-PROX Tag works only with U-PROX SL and U-PROX SE readers.

How often does the U-PROX Tag broadcast information in Active ID and Button mode?

The U-PROX Tag broadcasts short information about itself and readiness to interact with the reader every 0.9 seconds in Active ID and Button mode.

## Documents / Resources



## [U-PROX Tag Identifier \[pdf\]](#) User Manual

Tag Identifier, Tag, Identifier

## References

- [User Manual](#)

IDENTIFIER, Tag, Tag Identifier, U-

U-PROX PROX

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