# User Manual

RFID Card

# HD-RBC01

# Table of contents

Specifications: ..... 3
Set contents: ..... 4
Installation: ..... 4
How to use: ..... 4

## Specifications:

- **Operating frequency**: 125 kHz
- **Material**: PVC
- **Finish**: White Gloss
- **Card dimensions:** 86 x 54 x 1 mm
- **Owned CHIP:** TK4100

## Set contents:

- Set of 10 RFID Unencoded Proximity Cards

## Installation:

The HD-RWC01 encoded RFID card works on the principle of passive radio communication, using a frequency of 125kHz. This is the standard frequency for many access control and identification systems, ensuring reliable and secure data transmission. The card contains a TK4100 chip that stores a unique 10-digit identification code. This code is hard-coded and cannot be changed, eliminating the risk of unauthorized access or card cloning.

## How to use:

Using a 125kHz RFID card is simple and intuitive, making it a popular choice for access control and identification systems. Here are the basic steps on how to use such a card:

1. **System Integration:** Ensure that the system with which you want to use the RFID card (e.g., access control system, time and attendance) is compatible with cards operating at 125kHz. The system should also be compatible with the TK4100 chip, if one is used in the card.
2. **Card Programming:** In many systems, the card must first be programmed or registered in the management system. This includes assigning a card to a specific user or function, and possibly configuring specific access permissions.

3. **Using the Card:**

- **Access:** To access the protected area, hold the card close to the RFID reader. The reader will automatically scan the card,

read its unique identification code and verify access authorizations.

- **Identification:** In identification systems, the card can be used to quickly confirm the user's identity, e.g. when recording working time.
- **Card behavior:** Avoid exposing the card to extreme conditions such as heat, humidity, or direct sunlight, which can damage the RFID chip or antenna.