# User Manual

## RFID Access Control Reader

## SecureEntry-AC400

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## Specifications:

- **Warranty:** 1 year
- **Reading Distance:** 5-10cm
- **Device Type:** 32 bit ARM
- **Verification Type:** RFID Card, Password
- **Operating frequency:** 125 kHz
- **Type of cards read:** EM
- **Response Speed:** Less than 0.2 seconds
- **Communication Distance:** 100m
- **Data transfer:** real-time
- **Light signal:** built-in LED (bi-color LED)
- **Beep:** Built-in speaker (buzzer)
- **Audio-visual indication:** when the registered card is placed against the reader, the red LED flashes green and a beep sounds
- **Keyboard and keys:** touch keyboard
- **Resistance:** protection against water ingress
- **Voltage:** DC 9V - 16V, standard 12DC
- **Operating Current:** 70mA
- **Interface:** Wiegand 26 output
- **Operating Temperature:** -25° C - 75° C
- **Operating Humidity:** 10%-90%
- **Product dimensions:** 12.3 x 8.4 x 2.3 cm
- **Package dimensions:** 18.5 x 13.9 x 5.5 cm
- **Product weight:** 200 g
- **Product weight with packaging:** 400 g

## Set contents:

- Access Control Reader with Wires
- Manual

## Features:

- The reader offers access by reading an RFID card with a frequency of 125 kHz or by means of an individual password.
- Made of durable materials and waterproof housing, the device can be mounted outdoors.
- The device is perfect for a wide variety of environments, such as companies, institutions, as well as private homes, making it a versatile solution for a wide range of users.
- The reader is equipped with a two-color LED and an audible signal that informs about the authorization status, making it easier for users to understand the current access status
- Thanks to the Wiegand 26 Output interface, the reader can be connected to external devices to form an access control system.

# Connection diagram

| Lp. | Designation | Colour | Function | Connection description |
|-----|-------------|--------|----------|------------------------|
| 1 | 12V | red | DC12V Input | Connecting 12V Host Intercom or Power Supply |
| 2 | GND | black | GND Power Supply | GND connection of the intercom host or power supply |
| 3 | D0 | Green | Port D0 WG | Connecting Data0 to the controller |
| 4 | D1 | White | Port D1 WG | Connecting Data1 to the controller |
| 5 | BEEP | Yellow | Beep | Beep when connected to GND |
| 6 | LED | brown | Light signal | Green light when connecting to GND |

# Output format and backlight setting for the keyboard

**Step 1.** Entering setting mode (in standby mode, press and hold the **# button** for 5 seconds while the green LED is flashing)

**Step 2.** Enter the code to get the corresponding command (**826** and **803** as the factory value)

**826** (WG26 output format) / **834** (WG34 output format)

HDWR
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**801** (Backlight normally on) / **802** (Backlight normally off) / **803** (Backlight on for 15 seconds)

**Step 3.** It will automatically exit the setting mode with a long beep if the data has been entered correctly. It will remain in the setting mode waiting for data to be re-entered with a short, triple-beep beep if incorrect data has been entered.

**Note:** Press the * button to exit the setting mode at any time.

## Setting the output format for the reader



WG34 output          WG26 output