

HDWR[®]
AC400 RFID
Access
Control
Reader



HDWR AC400 RFID Access Control Reader User Manual

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HDWR AC400 RFID Access Control Reader



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-colour 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 using 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-colour LED and an audible signal that informs users about the authorisation 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 a 12v Host Inter com or Power Supply
2	GND	black	GND Power Supply	GND connection of the inter com 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

Product Usage Instructions

Setting Output Format and Backlight

1. In standby mode, press and hold the # button for 5 seconds while the green LED is flashing to enter setting mode.
2. Enter the code 826 or 803 to select the desired output format and backlight setting:
 - 826 for WG26 output format, 834 for WG34 output format.
 - 801 for backlight normally on, 802 for backlight normally off, 803 for backlight on for 15 seconds.
3. The device will automatically exit setting mode with a long beep if the data is entered correctly. If incorrect data is entered, it will wait for correct data with a short, triple-beep sound.
4. To exit setting mode at any time, press the * button.

Connecting the Reader

1. Connect the 12v input to the power supply.
2. Connect the GND to the power supply ground.
3. Connect D0 and D1 to the controller for data transmission.

4. The device will beep when connected to GND, and the green LED will light up when connected correctly.

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

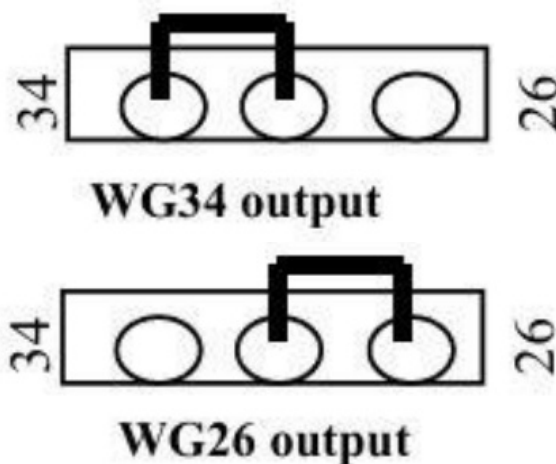
Enter the code to get the corresponding command (826 and 803 as the factory value) 826 (WG26 output format) / 834 (WG34 output format) 801(Backlight normally on) / 802(Backlight normally off) / 803(Backlight on for 15 seconds)

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



FAQs

Q: How do I reset the device to factory settings?

A: To reset to factory settings, press and hold the * button for 10 seconds while powering on the device.

Q: Can I use this reader outdoors?

A: The reader is designed for indoor use. Outdoor use may impact its performance and durability.

Documents / Resources

<p>User Manual</p> <p>RFID Access Control Reader</p> <p>SecureEntry-AC400</p> <p>HDWR</p>	<p>HDWR AC400 RFID Access Control Reader [pdf] User Manual</p> <p>AC400, AC400 RFID Access Control Reader, RFID Access Control Reader, Access Control Reader, Control Reader</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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