

1. Overview

The device swipes the card through the POS machine to control the relay output.

The device adopts the normally open mode by default, that is, the customer uses the normally open contact of the relay to control the power supply of the electric vehicle.

The buzzer on the card reader will give corresponding prompts to the user's operation.

2. Instructions for swiping cards

Each device can store up to 1,000 card IDs. When the user swipes the card, the device will compare whether the ID of the input card has been stored.

If it has been stored, it is valid for the user to swipe the card, otherwise it is invalid.

The platform can add, delete, and query the ID of the storage card in the device by issuing instructions.

It is also possible to update the ID card numbers in batches by sending an http link to the device.

All the card swiping information of the user and the device will be reported to the platform at the same time.

3. Workflow Description

3.1 The device does not supply power to the vehicle by default;

3.2 When the user swipes the card and it is valid, the device is connected to the electric vehicle power supply, and when the user ignites the ignition within 30 seconds, it enters the riding state.

3.3 When the user swipes the card and it is valid, the device is connected to the electric vehicle power supply, and when the user does not ignite the ignition within 30 seconds, the electric vehicle power supply is disconnected

Re-enter the detection state.

3.3 When the user swipe card is invalid, the electric power is not connected, only a sound reminder is made, and the detection state is re-entered after 3 seconds.

3.4 When the user enters the riding state, if the user turns off the engine for more than 15 seconds, the device will turn off the power of the vehicle and re-enter the detection state.

Note: Ignition and flameout are detected through the ACC line of the device.

4. Sound reminder instructions

When the card swiping is valid within the time window of waiting for ignition of 30 seconds, the buzzer "dips" once per second.

If ignition is detected within the 30 second time window, the buzzer will always sound for 0.5 seconds.

When swiping the card is invalid, the buzzer will always sound for 3 seconds.