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FinDreams

FinDreams K3CC Smart Access Controller



Product Name: Smart Access Controller

Model: K3CC

Trade Mark: BYD

Instructions:

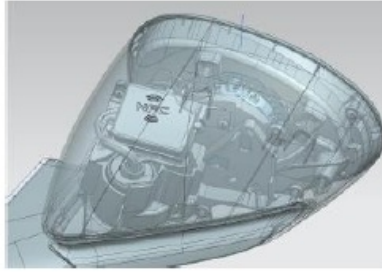
Receive the near field communication information of the smart card for analysis, and send it to the body controller through CAN for processing and authentication.

Use the BYD Auto APP to activate NFC and Bluetooth car keys, Using a mobile phone can realize functions such as NFC unlocking, Bluetooth unlocking, Bluetooth window closing, Bluetooth car search, Bluetooth opening air conditioner, Bluetooth opening trunk, etc., and use the mobile phone NFC key when the mobile phone is out of power;

You can also use the BYD official NFC card to activate the NFC card key to achieve NFC card key unlock function.

Installation location

Installed inside the external rearview mirror



The main parameters

Operating Temperature	-40°C to +85°C
Modulation Type NFC	ASK
Modulation Type BLE	GFSK
NFC Sensing distance	0-5cm The longest distance is not less than 2.75cm
BLE Sensing distance	≥30m open space ≥20m dense space
Operating Voltage	5V
Operating Current	<200mA
Protection Class	IP6K7
CANFD	500K
Technology	NFC+ BLE
Frequency Range	NFC:13.56MHZ(±7K) ,BLE:2402-2480MHZ
Channel spacing	NFC:N/A ,BLE:2MHZ
No. of Channel	NFC:1 ,BLE:40

Antenna Type	PCB Antenna
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Product Termination Connector Pin Definition

pin number	port name	port definition	Harness connection	signal type	Steady state operating current/A	power	Remark
1	power	VBAT	Connect to the left domain controller	Power twisted pair, twisted with pin2	<1A	5v	Orange line
2	GND	GND	GND	GND twisted pair, Twisted with pin1	<1A		two-color (Yellow-green) line
3	CAN1	CANFD 1-H	Connect to Smart Access Network	CANFD signal twisted pair, Twisted with pin4	<0.1A		Pink line
4	CAN2	CANFD 1-L	Connect to Smart Access Network	CANFD signal twisted pair, Twisted with pin3	<0.1A		purple line

FCC Compliance Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following

two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



Documents / Resources



[FinDreams K3CC Smart Access Controller \[pdf\]](#) Instruction Manual
K3CC, K3CC Smart Access Controller, K3CC, Smart Access Controller, Access Controller, Controller

References

- [User Manual](#)

 [FinDreams](#)  [Access Controller, controller, FinDreams, K3CC, K3CC Smart Access Controller, Smart Access Controller](#)

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