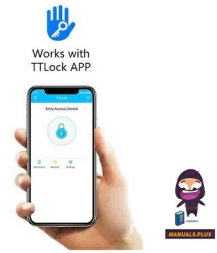


FinDreams

K3CG Smart Access Controller



FinDreams K3CG Smart Access Controller Instruction Manual

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FinDreams K3CG Smart Access Controller



Product Usage Instructions

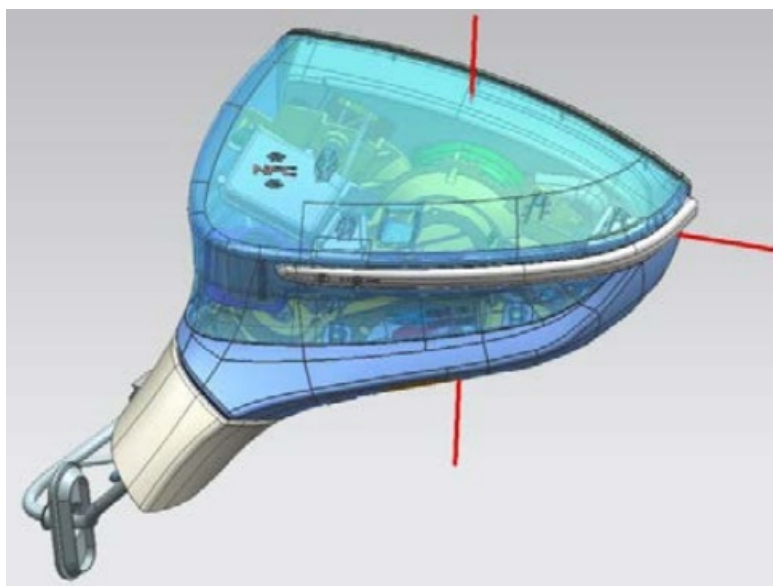
- The Smart Access Controller should be installed inside the external rearview mirror.
- The controller receives near-field communication information from the smart card for analysis.
- It then sends this information to the body controller through CAN for processing and authentication.
- In export regions, the controller is used with cards for vehicle unlocking or locking, supporting card NFC function.
- Ensure the operating temperature is within the range of -40 to +85 degrees Celsius. The NFC sensing distance should be maintained between 0-5cm, with the longest distance not less than 2.75cm. The controller operates on a voltage of 5V.

INTRODUCTION

- 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.
- Additional remarks: For the export region, these models are used with cards instead of mobile phones, it only supports card NFC function to realize vehicle unlocking or locking.

Installation location

Installed inside the external rearview mirror



The main parameters

Operating Temperature	-40°C to +85°C
operation Frequency	13.56MHZ ±7K
Modulation Type	ASK
NFC Sensing distance	0-5cm The longest Distance is not less than 2.75cm
Operating Voltage	5V
Operating Current	<200mA
Protection Class	IP5K8
CANFD	500K

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 pin	power	<1A	5v	Orange line
2	GND	GND	GND	GND	<1A		two-color (Yellow-green) line
3	CAN	CANFD-H	Connect to Smart Access network	CANFD signal	<0.1A		Pink line
4	CAN	CANFD-L	Connect to Smart Access network	CANFD signal	<0.1A		purple line

Instruction

NFC: The product is located inside the external rearview mirror of the vehicle. Users can use the smart card or a registered smartphone to approach the product to receive the NFC-related signals for analysis and send it to the left body domain controller through CAN for processing, finally realizing the control of the door switch.

FCC STATEMENT

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. 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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, according 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.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm the radiator of your body: Use only the supplied antenna.


This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

FAQ

- Can this product be used with mobile phones?
- No, for export regions, this model is specifically designed to work with cards instead of mobile phones for vehicle unlocking or locking.

Documents / Resources

	FinDreams K3CG Smart Access Controller [pdf] Instruction Manual 2A5DH-K3CG, 2A5DHK3CG, K3CG Smart Access Controller, K3CG, Smart Access Controller, Access Controller
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References

- [User Manual](#)

Manuals+, Privacy Policy

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