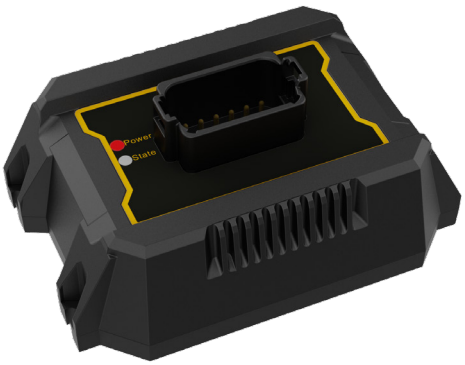
Key transmitter and receiver instruction manual



Catalogue

1 Technical Parameter

1.1 Key transmitter:

Key	Key	6 key
	Operating life	1000000
Enviromental parameter	Working temperature	-30~+85℃
	Storage temperature	-40~+85℃
Electrical parameters	Radio frequency communication	315MHZ
	Power supply mode	CR2032 Button Battery 3V
EMC	Electric load	GB/T 28046.2
	Voltage transient or gradual change	IGB/T 28046.2
	Electrical Transient Conductive Immunity along Power Line	GB/T 21437.2
	Electrical Transient Immunity of Non-Power Line Coupling	GB/T 21437.3
	ESDR	GB/T 19951
	Surge immunity	GB/T 17626.5
	Radiation emission	GB/T18655-2018 6.4

1.2 Receiver：

Software	Processor	S9S12 series
	Maximum operating frequency	25MHz
	CAN bus node	0X8D
	Programming language	C language
Enviromental parameter	Working temperature	-30℃ ~ +70℃
	Storage temperature	-40℃ ~ +85℃
	IP grade	IP54
Electrical parameters	Service voltage	18V~32V
EMC	Electric load	GB/T 28046.2
	Voltage transient	IGB/T 28046.2
	Electrical Transient Conductive Immunity along Power Line	GB/T 21437.2
	Electrical Transient Immunity of Non-Power Line Coupling	GB/T 21437.3
	ESDR	GB/T 19951
	Surge immunity	GB/T 17626.5
	Radiation emission	GB/T18655-2018 6.4
Pilot lamp	Number	2 individual
	Pigment	Red (one indicates red, one indicates key pairing)
Communication mode	1.CANbus 2. Radio frequency 315MHz	

2 interface definition

Pin number	Definition	Function	Remarks
1	24VDC		
2	GND		
3	DIH		DIL/DIH hardware is configurable
4	DIH		DIL/DIH hardware is configurable
5	DIH		DIL/DIH hardware is configurable
6	CAN_H		
7	CAN_L		
8	DOH_1	Shutting	8A
9	DOH_2	Unblanking	8A
10	DOH_3	Power supply relay control port	8A
11	DOH_4	Buzzer	4A
12	DOH_5	Engine starting relay	4A

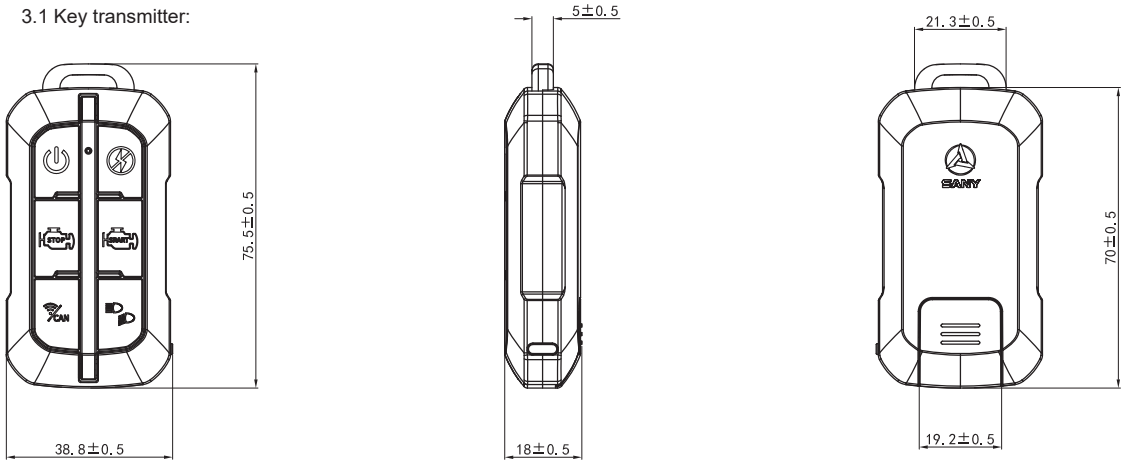
inputoutput port：

5 2-channel DO (current <3A), 3-channel DO (current <9A), 3-channel DIL/DIH (hardware configurable)

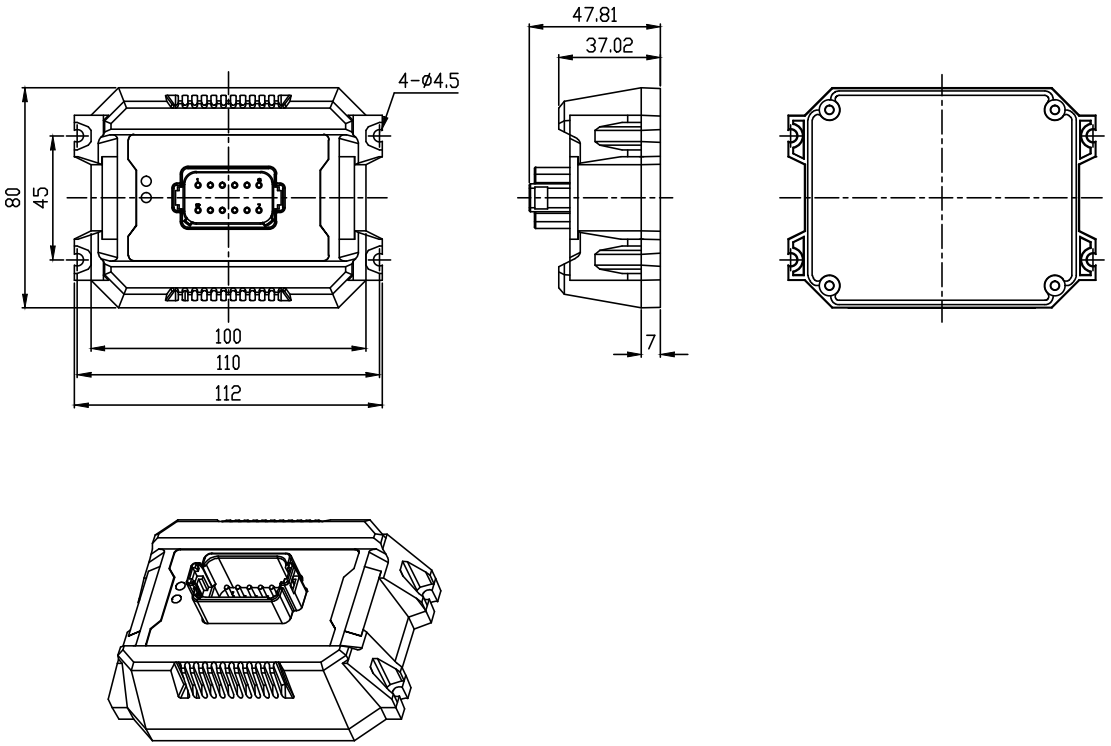
1 Road CAN

3 Product Size Diagram

3.1 Key transmitter:



3.2 receiver：



4 Installation Method and Precautions

1、 Pairing method:

First power on the receiver, then send the pairing message via PCAN. When the message is received, the indicator light will flash slowly. Press any key on the transmitter to keep the indicator light on. Release the key without further action. Wait for the indicator light to flash again to confirm successful pairing. Pairing message

Can message ID: 005 standard frame

Can message data: 00 00 00 5345 54 52 46.

2、 matters need attention：

a. Do not let the key transmitter come into contact with water to prevent switch failure.

b. Regularly inspect the transmitter housing and buttons, and replace any damaged components immediately.

c. The key transmitter contains a battery. Do not damage the battery itself to avoid potential hazards.

d. If the key transmitter and receiver fail to communicate, contact technical support immediately and do not operate it privately.

FCC Statement

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: Any changes or modi?cations to this device not explicitly approved by manufacturer could void your 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.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition, compliance with exposure requirements.

This equipment should be installed and operated with minimum distance 0 mm between the radiator & your body.