The PJ-Flashing Alarm Specification



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Chapter 1 Introduction of sound and optical alarm

1.1 Product Introduction

PJ-Flashing Alarm is an acoustically optic and optical alarm independently developed and designed by the company for many fields. It adopts wide voltage input, built-in high bright light emitting diode and 5W high-power speaker output, which can realize voice broadcast and simulated rotating light alarm.

Industrial appearance setting, integrated cast aluminum shell, IP69K protection grade, can be used in a very harsh environment. PJ-Flashing Alarm terminal equipment meets the standards of JT / T794-2011, JT / T808-2011 and GB / T 19056-2012. At present, the equipment has been successfully applied in special vehicle control, intelligent warehouse management, parking lot management, etc.

1.2 Product characteristics

Support the LED flicker frequency adjustment range of 1-5Hz
Red light design, the haze penetration force is strong
Solve light pollution, energy saving and environmental protection
The shell protection level reaches IP69K
Original imported light source, effectively reduce the light attenuation
Adopt new heat dissipation material, with long product life
The overall design is novel and chic, and the installation and operation is simple
Autonomous electrification structure and control system, stable performance
As low as minus 30 degrees Celsius, to meet the harsh and cold environment for use

There may be multiple versions of the same model product, and there will be differences in different versions of the products (including functional parameters, LOGO design, appearance details, product data, etc.), please refer to the physical object.

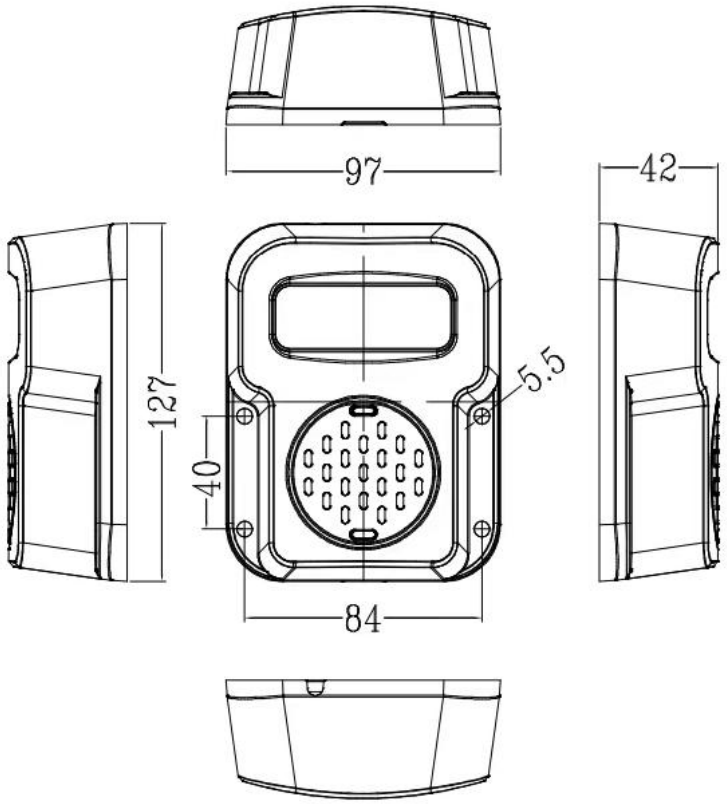
1.3 Product specifications

model	PJ-Flashing Alarm
working voltage	DC:9V-24V
working temperature	-40 ～ +80
maximum	12W

power	
Alarm communication interface	RS485 / RS232 Optional, IO * 4 Optional (high level trigger)
Communication Porter rate	4800~115200
The alarm way	Sound and light alarm
Luminescence form	The LED simulates a rotation or a blinking image
The horn power	5W
Color display	glow
Interface mode	Aviation Head GX 12-4P / 6P Master (customizable)
wire length	300MM (customizable)
Install fixed holes	Four fixed holes
Screw specifications	M5
classification of waterproof	IP69K
Case material	alufer
size	127×97×42mm
weight	430g
Shell color	black

1.4 Appearance dimension and installation of fixed hole position

外观尺寸图：



单位：毫米（ｍｍ）

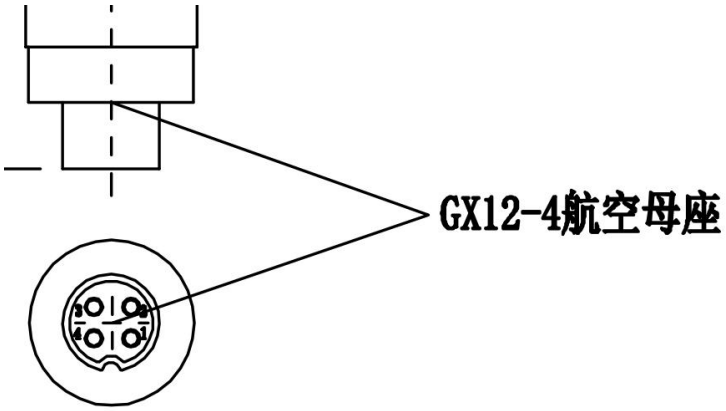
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Chapter II Interface Definition and communication protocol

2.1 Interface definition

GX 12-4 aviation socket

The pin number	functional description
1	VCC
2	GND
3	empty
4	RS485-A



Chapter 3: Functional inspection

3.1 Test tools

The main preparation tools before the equipment test include:

Tool name	functional description
stabilized voltage supply	DC: 0V~24V is adjustable
multimeter	A
power line	Aviation head GX 12-4 head
water breaker	1, with some clean water
hydraulic giant	Water cannons or water sprinklers

Electrostatic gun	A
High and low temperature aging box	A

3.2 Functional test

Adjust the voltage power supply to 12V, adjust the multimeter to the DC voltage gear, test the voltage power output, ensure the power output of 12V.

Connect the air power cord to the voltage power supply. Remember that 1 foot is positive power and 2 feet is negative power.

Connect the aviation power cord with PJ-Flashing Alarm, the intelligent alarm will appear flash lights and different levels of sound prompt "big car danger, please stay away", "dangerous, please leave immediately".

3.3 Electrical appliance characteristic test

Power the smart alarm from 12V to 24V and test whether the alarm is working normally.

Make instantaneous power up, power off test, and check whether the intelligent alarm is working normally.

If possible, during the operation of the equipment (electrostatic gun)

Working equipment can be put into a high and low temperature environment for testing (a high and low temperature aging box is required)

3.4 Waterproof test

1) Water shower test, spray water on the working alarm with the high-pressure water gun or watering kettle for 10 minutes, continue with 10 minutes interval, reciprocating 5 times, check whether the water is in or working normally.

2) Water immersion test, immerse the alarm in water for 24 hours, take it out to check whether the water intake, no water intake can carry out the power-on test function.

3.5 Drop test

The intelligent alarm six side 1.2 meters free drop, each side 2 times, after the drop of the test (in order to prevent the shell scraping, the ground test to use a board).

Chapter IV Installation Guidance

4.1 Preparation before installation

1) Installation of the required tools:

2) Before installation, please power on to check whether PJ-Flashing Alarm is normal: After PJ-Flashing Alarm, LED will always on for 1 second and then turn off.

4.2 Notes for installation

1) Power failure occurs during equipment installation

2) PJ-Flashing Alarm installation direction, light facing up (with up)

3) The installation position should first confirm the position of the fixing hole (please refer to 1.4 appearance size and installation size), hole with electric drill, and finally fix with M5 screws.

4) The direction of PJ-Flashing Alarm must not be touched by people or external objects. According to the actual installation situation, please deal with the line properly (sometimes the equipment extension line needs to be added because the equipment is too long)

5) PJ-Flashing Alarm equipment and wire are fixed, the line is finally connected, and then the power can be on the test.