



NJ-FM002

Product use manual of
Insituation and sex detection lamp controller

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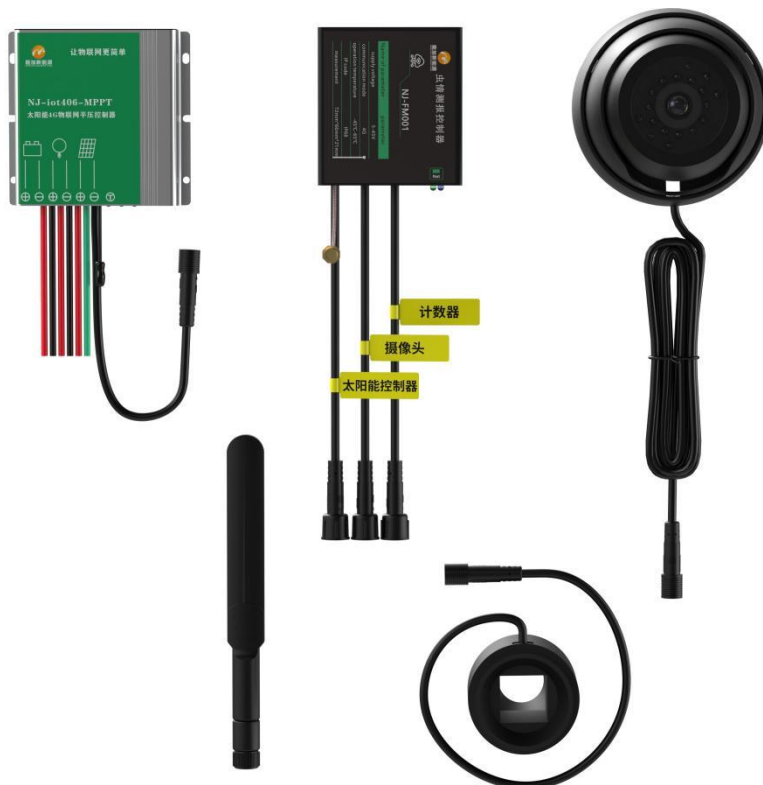
I. Product function and features

NJ-FM002 is an Internet of things solar insect sensor light controller, the controller has Cat.1 communication function, can remotely connect to the cloud server, using the principle of sexual inducer to kill pests, realize the orientation of pests, classification statistics, real time, remote detection, pest warning automation, intelligent. It can be widely used in agricultural pests, forestry pests, storage pests and other monitoring fields. Main performance characteristics of the controller:

- Support manual, rain control, light control, time control, temperature control
- MPPT charging and PWM charging are optional, which support the mobile phone and computer side to view the historical charging voltage, current, power, temperature and humidity curves
- Support mobile, Unicom, telecom full netcom communication mode
- Support map display, fault alarm, default support base station positioning, GPS / Beidou positioning selection, fault equipment positioning and navigation
- Built-in optional tilt sensor, lamp pole tilt detection is optional

- Support the external infrared count sensor to count the number of pesticides
- Support the external environmental detection sensor, monitor the wind power, wind direction, PM2.5, PM10, temperature, humidity, rainfall and other parameters
- Support the access of Haikang video surveillance

II. Appearance size



III. Technical parameter

open circuit losses	10mA(12V);6mA(24V)
working temperature	-35° C ~ 65° C
levels of protection	IP68
size (mm)	72mmx66mmx21mm
Antenna type	outlay
communication mode	4G Cat.1
carrieroperator	Three netcom
service voltage	12V/24V

IV. Status indication

pilot lamp	state	function declaration
Network indicator light (green)	Very slow (bright for 0.3s, dead for 5s)	No SIM cards were detected

Network indicator light (green)	Slow flash (bright 0.3s, out 2s)	Normal, boot
	Medium flash (bright 0.3s, out 1s)	Connecting the network
	Flash flash (bright 0.1s, out 0.1s)	The network is connected

V. Mode of connection



For safety, follow the wiring order of load, battery and photobattery.

* Antenna should avoid being directly connected with metal (including articles with shielded function), and should not be placed in a completely closed iron container. In addition, installation should be firmly, and avoid line scratches and insulation damage.

a) connected load

At this time, the controller has not started working, and the controller does not react after the connection is completed.

b) Connect the battery

Before connecting the battery, ensure that the battery voltage is above 9V to start the controller. If the system is 24V, ensure that the battery voltage is not less than 18V. When the battery connection is complete, the controller will start working.

c) Connect the optical panel

The controller can be applied to 12V or 24V standard specification solar modules, or to solar cell modules with an open circuit voltage not exceeding the specified maximum input voltage. The maximum power

point voltage of the solar module should not be lower than the battery voltage.

d) The four-core wire of the controller is connected to the four-core wire of the module to observe the module indicator lamp. Fast flash for online.

e) Infrared counter: the four-core wire of the counter is connected to the four-core wire of the module

f) Surveillance camera: The four-core wire of the camera is connected to the four-core wire of the module

g) Connect antenna

Attach the antenna to the housing and connect the machine through the antenna extension

VI. Technical support

