

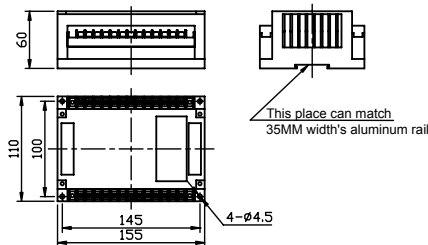


FR151U

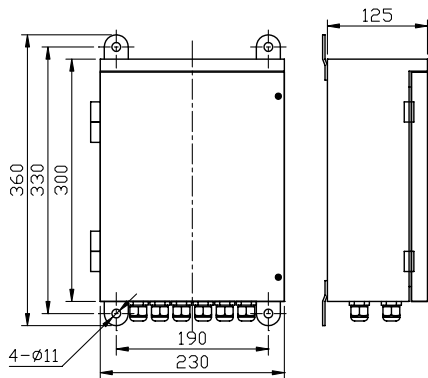


FR151W/FR152W/FR153W

Installation (unit:mm)



FR151U



FR151W/FR152W/FR153W

Application

Design for the fault alarm output,ON/OFF and flash frequency control for aviation obstruction light.

Major functions&features

- Control the aviation lights flash synchronously.
- With fault alarm function. When any light fails, there will be with alarm indicator and fault signal output.
- Alarm signal is relay contactor output, no power source.
- With photocell/manual switchover device. If you do not need photocell function, it could change to manual control model by this device.
- Light-operated switch use PJ003 to realize its function. Fault alarm function about photocell can be customized.
- With disturbance switching function. When lead light fails, standby light will switch on automatically.(Customized).

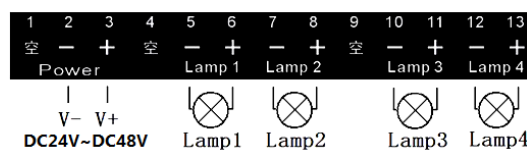
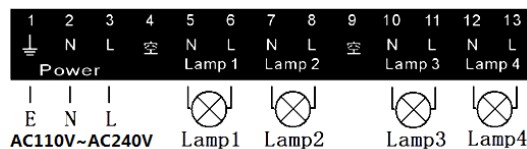
Specification

Voltage	DC24V~DC48V AC110V~AC220V	Control method	Steady burning/flash
Control circuit branch	4 ways	Flash frequency	30times/sec (adjustable)
Photocell sensitivity	70~100Lux(On/Off)	Alarm output	dry connect(relay) output
Ambient temperature	-30°C ~ +70°C	Humidity	10% ~ 95% (no coagulation)

FR15X model

Model	IP65	Lightning protection	Weight	Material	Remark
FR151U	unsuitable	No	0.5 Kg	ABS	
FR151W	suitable	No	5.5 Kg	cold rolled steel	
FR152W	suitable	Yes	5.5 Kg	cold rolled steel	
FR153W	suitable	Yes	5.5 Kg	cold rolled steel	Input:DC48V, Output:DC24V

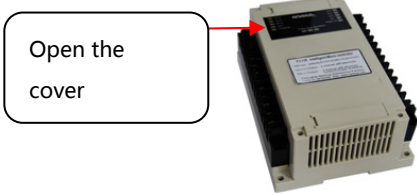
FR151U Connect



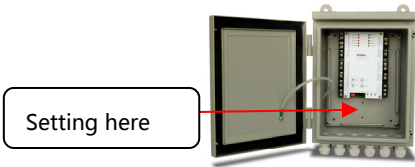
FR151U indicator light



FR151U setting



FR151W setting

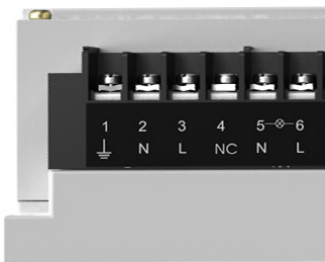


Accessory : photocell

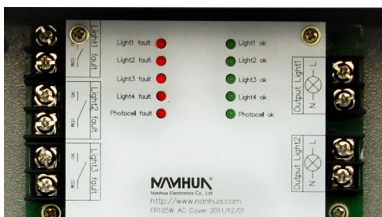


PJ003

Product details

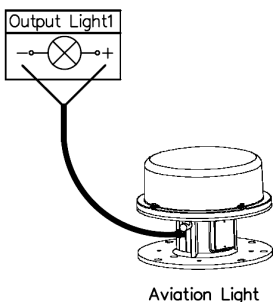


FR151U side



FR151W/FR152W

Connection

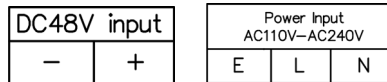


FR151U steady burning/flashing setting

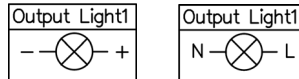
- Open the cover board on control box. There are a black button and red dial switch inside it.
- Steady/flash switchover : Slide red dial switch to according lamp.
Figure terminal---flash
Otherwise-----steady
After setting over, please confirm it by pressing black button.

FR151W/FR152W connection

- Power terminal connetion,please see the following diagram :

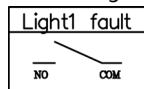


- Following is diagram for aviation light connction :

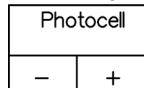


If control box has disturbance switching funciton, Lamp1 is lead light, Lamp2 is standby.

- Following is diagram for alarm connction.

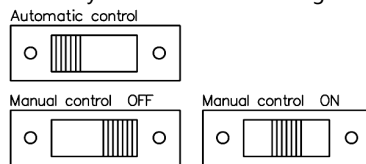


- Following is diagram for photocell.



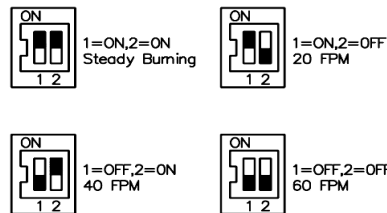
FR151W/FR152W installation and operation

- Installation :
Using 4 pcs of M10 stainless steel screws to fix on smooth surface with enough mechanical strength.
- Manual/Automatic switchover :
Please see the following diagram. When the contrl box is under Auto state, it will turn off the light at the daytime and turn on the light at the night time:



- Steady burning/Flashing switchover, flashing frequency setting :

When the two dial switches are under ON state, aviation light is steady burning. If not, aviation light is flashing. Flashing frequency 30.40.50.60FPM is adjustable. Please set frequency as following diagram. (FPM = FLASH PER MINUTE) :



FR151W/FR152W indicator light

- Power : Power supply indicator ; Manual : Manual indicator ; Auto : Automatic indicator
- Light n Fault : Aviation light fails ; Light n ok : Aviation light works normally.

Notice

- The controlled aviation lights are the voltage test type, only when the aviation light inside power fault will output alarm, suggest to used for not high required test precision.
- Make sure cut off power before connection with wire.
- Don' t open any part of the products when operation.