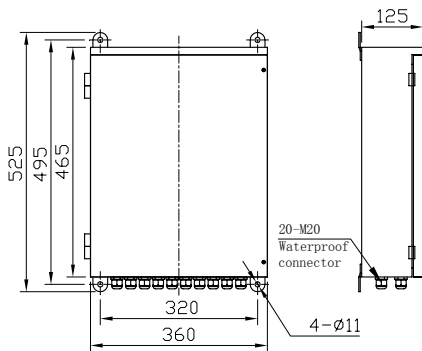


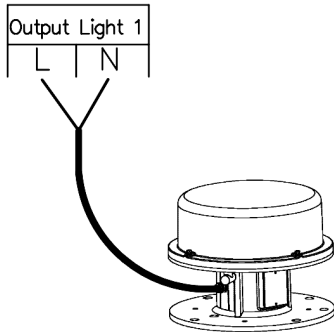


FR19

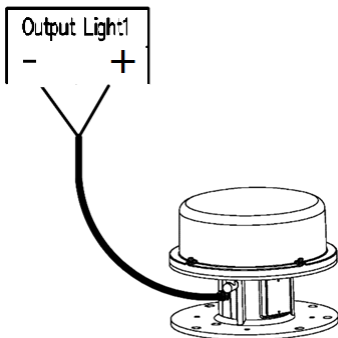
Mounting dimension (Unit : mm)



Wiring diagram



AC type wiring diagram



DC type wiring diagram

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.
- With lightning protection device
- With disturbance switching function. When lead light fails, standby light will switch on automatically.(Customized).
- With GPS synchronization function(optional).

Specifications

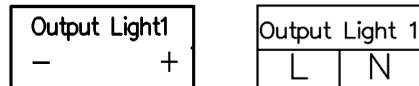
Voltage	AC110V~AC240V DC48V	Control method	Steady burning/flash
Control circuit branches	8ways or 12ways	Flash frequency	20\30\40\60times/Min
Photocell sensitivity	70~100Lux(On/Off)	Alarm output	dry connect(relay) output
GPS function	Optional	Lightning protection	Optional
Ambient temperature	-30°C ~ +70°C	Humidity	10% ~ 95% (no condensing)
Material	cold rolled steel	Weight	10±0.5 Kg
IP rate	IP65		

Wiring connection

- Power terminal. It has DC48V and AC220V. Please see the below wiring diagram



- Aviation obstruction light terminal-connect the light. Please see the below wiring diagram for DC48V and DC220V light 1 :



For the control with the failover function, Light 1 is the host one and light 2 is the backup one. Light 1 works, light 2 does not work. Light 1 fails, Light 2 works.

- 1-08 Aviation light faulty alarm outputting. When aviation light fails, contact closes .DC48V and AC220V as shown:



- Please see following diagram for photocell connection termina.



Accessories : photocell



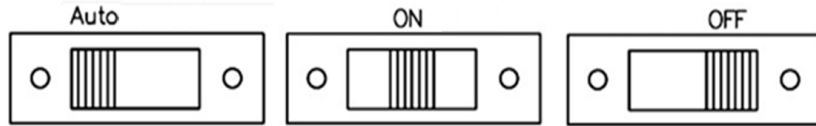
PJ003

Application



Installation and operation

- Installation :
Using 4 pcs of M10 stainless steel screws to fix on smooth surface with enough mechanical strength.
- Manual/Automatic switchover :
Use Auto/Manual switch.
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:
When the controller is under "ON" state, the light is working.
When the controller is under "OFF" state, the light is not working.



- Steady burning/Flash switch , flashing rate setting :
Definition : Switch at ON is "ON" , at digital side is "OFF" .
Red switch 1~08 control 1~08 aviation light respectively.
When switch at ON side, corresponding aviation light is flashing model.
When switch at OFF side, corresponding aviation light is steady burning model.
Red switch 13,14 control flashing rate. Please see below setting:

(FPM = FLASH PER MINUTE)

13	14	Frequency
ON	ON	60FPM
OFF	ON	40FPM
ON	OFF	30FPM
OFF	OFF	20FPM

Remarks: Flashing adjustment is against flashing light.

FR19X indicator light

- When power is normal, POWER indicator is on.
When at manual status, MANUAL indicator is on.
When at automatical status, AUTO indicator is on.
- When avation light fails, "Light fault" indicator is on.
- GPS supplying power indicator GPS_POWER.
- When GPS receive signal ,1PPS indicator is blink. Otherwise, indicator is steady.
- When GPS receive signal and start synchronization, GPS_WORK indicator is blink.

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.
- We suggest one way aviation light should <100W.
- Don' t open any part of the products when operation.
- Make sure cut off power before connection with wire.