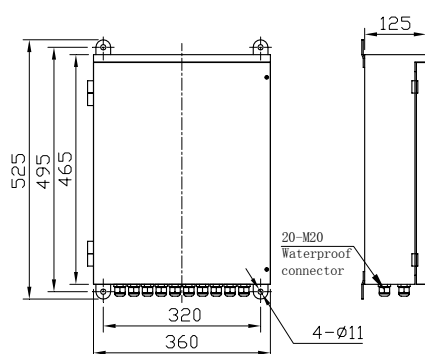


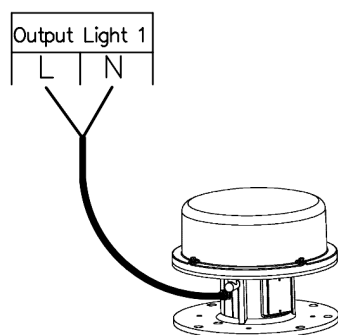


FR191W

Mounting dimension (Unit : mm)



Wiring diagram



Wiring diagram

Products interior



FR191W AC TYPE

Application

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

Major functions&features

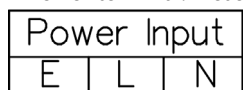
- Control the aviation lights flash synchronously.
- With fault alarm function. When any light fails, there will be with alarm indicator and fault signal output.
- Alarm signal is relay contactor output, no power source.
- With photocell/manual switchover device. If you do not need photocell function, it could change to manual control model by this device.
- External photocell switch, photocell failure alarm function (this function needs to be customized).
- Failover function, when the host lamp faults, the backup light starts working(this function needs to be customized, the regular item does not include this function).

Specifications

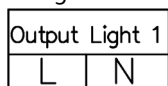
Voltage	AC110V~AC240V	Control method	Steady burning/flash
Control circuit branches	8 way	Flash frequency	30 times/min (customized)
Photocell sensitivity	70~100Lux(ON/OFF)	Alarm output	dry connect(relay) output
Ambient temperature	-30°C ~ +70°C	Humidity	10% ~ 95% (no condensing)

Wiring Diagram

- Power terminal. Please see the below wiring diagram

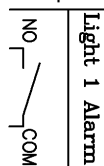


- Aviation obstruction light terminal-connect the light. Please see the below wiring diagram for light 1



The output of light 1 is different from other lights, it is only available when the light needs to work all day long, such as LM401, LM402, LH856.

- Output when light fails. The cable diagram is as follow. When light fails, contacts close.



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:
Use ON/OFF switch to manually operate turn on/ turn off light. When the controller is under Manual state, the switch is available. Located ON, the light is working, Located OFF, the light is off.

Accessories : photocell



PJ003

Application



- Steady burning/Flash switch(available for FR19X AC Type) .
Use BURNNING/FLASHING switch to control , Located BURNNING, the light is steady burning. Located FLASHING, the light is flashing
- Burning/Flash switch , Flash frequency setting (Available for FR18X AC Type) :
Make the setting through dial switch. The second dial switch is located ON end, the light is steady burning. Other setting, the light is flashing. Flash frequency is optional among 30、40、 50、 60FPM. The details refer to the below figure (FPM = FLASH PER MINUTE)

1	2	3	4	Frequency
*	ON	*	*	Steady burning
*	OFF	ON	ON	30FPM
*	OFF	ON	OFF	40FPM
*	OFF	OFF	ON	50FPM
*	OFF	OFF	OFF	60FPM

FR19X indicator instruction

- Power : Power supply indicator ; Manual : Manual indicator ; Auto : Automatic indicator
- Light faults and Alarm is on, the corresponding number beside LED output.

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.