AeroSUN 1600

INSTALLATION INSTRUCTIONS

PARTS INCLUDED IN KIT:
Item Description Kit No.

1 AeroSUN LED Landing Light (1 each)
2 Mounting Bracket (1 each)
3 1/4-20 X 5/8" Mounting Screw (2 each)
4 1/4" lock washer (2 each)
5 1/4" flat washer (2 each)
6 Molex 5 pin female connector housing (1 each)
7 Molex 5 pin male connector housing (1 each)
8 Female pins for Molex connector (5 each)
9 Male pins for Molex connector (5 each)

AEROSUN LED LANDING LIGHT INSTALLATION:
The AeroSUN LED landing light is intended for aircraft use and should be installed by experienced personnel. The recommended installation location is the leading edge of a wing behind a clear polycarbonate window. Ensure the location provides for function as intended and does not interfere with the pilot's safe operation of the aircraft.

1. Use the mounting bracket (Item 2) as a template to mark the mounting surface and drill five holes for mounting the bracket to the mounting surface. #8 screws (not provided) or rivets can be used to mount the bracket, as desired by the user.
2. Attach the mounting bracket to the mounting surface..
3. Route 20 AWG wires, in a protected fashion, to the landing light mounting location. It is recommended to install a 10 amp breaker in-line for wire run protection. Consult the interface table below for wiring details.
4. If desired, utilize the included Molex connectors to allow for quick connect/disconnect of the electrical interface.
5. Place one lock washer and one flat washer on each ¼-20 mounting screw, and use the screws to attach the landing light to the mounting bracket.
6. Connect the wiring per the wiring detail below.
7. Apply power to the landing light and verify that it illuminates..
8. Apply power to the wig-wag input and verify that the unit blinks on and off.
9. Adjust the tilt and pan angles of the light in the bracket by loosening the ¼-20 screws until the light is pointed in the proper direction.
10. Tighten the ¼-20 screws to hold the light in its proper orientation.

WIRING INTERFACE:
The AeroSUN LED landing light can operate in constant-on and wig-wag modes. In wig-wag mode, one unit functions as a master and the other as a slave to coordinate the flashing in an alternating fashion.

The red wire (pin 1) is the constant-on power input. Applying power to this input turns on the light.

The black wire (pin 2) is the ground wire, and is connected to the electrical system ground.

The yellow wire (pin 5) is the wig-wag power input. Applying power to this input turns on the light in wig-wag (flashing) mode. Applying power to this input enables wig-wag mode regardless of whether or not power is applied to the red wire.

The green wire (pin 3) is the master-output. In a two light installation, select one of the units to be the master, and connect the master output from that unit to the slave input on the other unit. Only connect one master output to one slave input, and leave the other master and slave wires unconnected.

The blue wire (pin 4) is the slave input. Connect the master output from the master unit to this input on the slave unit.