

# Pro LED 2501A & 2511A Owner's Manual



## **\*\* Warning \*\***

### **Safety warnings for installers and operators**

- Use of a warning light does not guarantee that other drivers will give you the right of way. Always drive defensively to avoid accidents.
- Always check the opposite side of the surface you're about to drill through to be sure that there are no wires or other obstacles in the way.
- Route wire cables safely away from vehicle controls.
- Place light system controls within easy reach of the operator.
- Inspect the light regularly for proper function and to be sure that it is securely in place.
- Clean your warning lights frequently with mild soap and water to ensure maximum visibility.

## **Power Requirements**

2500 series warning lights operate in a range of 10 to 30 volts DC with a negative ground. The 2501A requires 1.01 amperes input current @ 12.8 volts DC, and the 2511A requires 0.85 amperes input current @ 12.8 volts DC. No manual voltage switching is required.

## Installation

The 2501A and 2511A warning lights can be installed using one of three available methods, pipe mount, stud mount, or screw mount.

**Pipe Mount** – Your light can be mounted on a 1” NPT pipe.

1. Decide on an appropriate installation location for your light.
2. Install a switch within easy reach of the operating position.
3. Determine the distance from the light to your power source (battery or fuse box).
4. Use 18-gauge wire for distances up to 15 feet and 16-gauge for any distance over 15 feet.
5. Route your wires from the switch to your installation location. Remember to run the wires through your pipe.
6. Connect the light's wire cable to your switched power source with insulated butt connectors. (White wire = negative ground and red wire = 10 to 30 volts DC)
7. Screw the light onto your 1” NPT pipe.
8. Finish your installation by running wires from your switch to your power source (+) and ground (-). Be sure to install a 3 to 5 amp fuse link on the positive (+) wire as close to your power source as possible.

**Stud or Screw Mount** – Three self-threading studs and three screws are included with your light. You will need access to the underside of your mounting surface to use this installation method.

1. Decide on an appropriate installation location for your light.
2. Install a switch within easy reach of the operating position.
3. Determine the distance from the light to your power source (battery or fuse box).
4. Use 18-gauge wire for distances up to 15 feet and 16-gauge for any distance over 15 feet.
5. Route your wires from the switch to your installation location.
6. If using the studs, prepare the light for installation by threading the mounting studs into the blank holes in the bottom of the light base. TIP: Install two nuts on the stud and tighten them together. This will give you a place to grip the stud with a wrench during installation. Once installed, remove both nuts and move on to the next stud until all three are in place.
7. Check the fit of the mounting gasket over the mounting holes. Then, use the gasket to mark the location of your mounting holes.
8. Drill your three mounting holes of appropriate size.
9. Drill another hole for the wire cable, if needed. The base of the light does provide accommodation for running the cable out the side.
10. Connect the light's wire cable to your switched power source and ground. (White wire = negative ground and red wire = 10 to 30 volts DC)  
Secure the light with the gasket underneath using the supplied washers and nuts.
11. Finish your installation by running wires from your switch to your power source (+) and ground (-). Be sure to install a 3 to 5 amp fuse link on the positive (+) wire as close to your power source as possible.

## Warranty

Pro LED warrants the 2500 series warning lights against defects in material or workmanship for a period of 1 year from the date of purchase or delivery, whichever is later. This warranty will not apply to any unit which fails as a result of operator negligence, or which has been subjected to misuse, neglect, accidents, improper installation or disassembly.

Pro LED will not recognize claims for labor charges or any consequential damages under any circumstances. Our liability is limited strictly to the repair or replacement of any light that shall prove to be defective according to our judgement.