

# Pro LED MS75A & MSWM75A 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.
- Magnet mount lights are intended for temporary use on stationary vehicles. Driving with your magnet mounted light installed could result in the light flying off causing damage and/or injury. It is the operator's responsibility to make sure that the warning light is used in a safe manner.
- 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 light bar frequently with mild soap and water to ensure maximum visibility.

## **Power Requirements**

ML24 Series light bars are designed to be powered by 10-48 volts DC electrical systems with a negative ground.

### **MS75A Full On:**

- 12.8 Volts @ 1.82 Amps
- 25.6 Volts @ 0.94 Amps
- 48.0 Volts @ 0.58 Amps

### **MS75A Dimmed**

- 12.8 Volts @ 0.90 Amps
- 25.6 Volts @ 0.48 Amps
- 48.0 Volts @ 0.31 Amps

## Installation

MSWM75A - The magnet mount version of this light comes completely assembled and ready to use. Be sure to place the light on a metal surface and plug in the auxiliary power adapter. There is a power switch and a function switch on the adapter.

MS75A - The permanent mount version has a five-wire pigtail:

- Red = +VDC
- Black = Ground
- Yellow = Multi-Light Sync
- Orange = Flash Pattern
- White = Dim Mode

The light comes out of the box with the bottom cover loose. You can slide the cover off the wire pigtail and use the mounting holes to lay out the hole pattern on the mounting surface. Then slide the cover back over the pigtail and install the included mounting bolts into the channel that runs down the center of the aluminum heat sink. Align the bolts in the cover holes and install the light on your mounting surface.

You will need at least one on/off switch and one momentary switch (not included) to make use of all available flash patterns. Connect the on/off switch to your power source (10-48 Volts) using a fuse appropriate for the number of lights you're installing. Connect the light's red wire to that switch. Connecting the momentary switch to your fused power source and the orange wire is required to cycle through the light's available flash patterns.

This light includes a Dim mode that will decrease power consumption. The white wire can be connected directly to your power source if you want continuous dim mode, or it can be connected to your power source with another switch for temporary activation. You can also blunt cut the wire and use tape or another method to keep it from contacting other wires or surfaces.

Perform the steps above for each MS75A light you're installing.

You may sync up to eight lights using the same flash pattern by connecting all their orange wires together. Synchronized lights will all flash at the same time.

## Warranty

Pro LED warrants the MS75A and MSWM75A 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 judgment.