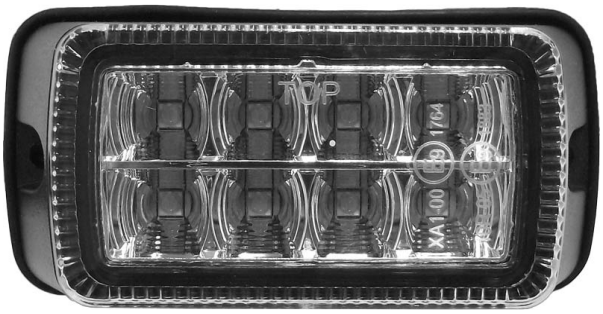
Pro LED
389 Series
Perimeter Light
Owner's Manual



** 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

389 Series warning lights are designed to be powered by 10-30 volt DC electrical systems with a negative ground. Each light requires 1.21 amps @ 12.8 volts DC while switching flash patterns. The highest constant current requirement of any flash pattern (Mega) is 0.71 amps @ 12.8 volts DC.

Flash Patterns

The 389 Series lights have ten flash patterns. The numbers in parenthesis indicate the delay, in milliseconds, between flashes. Split functions are one row of LEDs flashing and then the other row flashing.

1) Single Flash (440)
2) Four Flash Split
3) Five Flash (1000)
4) Three Flash Split
5) Mega
6) Two Flash Split
7) Three Flash
8) Single Flash (960)
9) Single Flash (408)
10) Five Flash (2000)

Functions

Your new light will flash on its own in any of ten different flash patterns. It can be synched with multiple 389 Series lights, so they will all flash the same pattern simultaneously. You can also set up multiple synched 389 Series lights to flash alternately.

Installation

Blue Wire = Ground (-)
Red Wire = Positive Voltage (+) 10-30 Volts DC
Green Wire = Change Flash Pattern and Synch Multiple Lights
White Wire = Alternating Flash, Multiple Lights

Your light's flash pattern is changed by applying positive voltage on the green wire for 1 second. Apply positive voltage for 3 seconds to reset the light to the first flash pattern. This is usually done with a momentary switch connected to the same power source as the on/off switch. The light will always restart at the last pattern used.

The installation steps below make use of the multiple flash patterns available in your light. You can set the light to use a single pattern every time it's turned on by selecting your favorite flash pattern and then insulating the green wire.

Setting Up a Single Light

1) Connect the blue wire to ground and red wire to switched, positive voltage.
2) Connect the green wire to a momentary switch that provides positive voltage.
3) Insulate the white wire. It won't be used.

Adding Multiple Lights, Synched

1) Connect the blue and red wires as described above.
2) Use the green wire to make sure that all of your lights are on the same flash pattern.
3) Connect all green wires to your momentary switch.
4) Insulate the white wires. They won't be used.

Making Multiple Lights Alternate

1) Follow steps 1-3 for Adding Multiple Lights, Synched.
2) Connect the white wires of the lights you want to alternate to positive voltage. You may use the same power source as the red wire.

Warranty

Pro LED warrants the 389 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.