



Installation Instructions LED Grommet Mount Directional 3965 Series



WARNING!

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious bodily/personal injury, and/or death to you and those you are seeking to protect!



Do not install and/or operate this safety product unless you have read and understand the safety information contained in this manual.

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of you and those you are trying to protect.
2. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation are vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the roadway.
5. Do not install this product or route any wires in the deployment area of an air bag. Equipment mounted or located in an air bag deployment area may reduce the effectiveness of the air bag or become a projectile that could cause serious personal injury or death. Refer to the vehicle owner's manual for the air bag deployment area. It is the responsibility of the user/operator to determine a suitable mounting location ensuring the safety of all passengers inside the vehicle particularly avoiding areas of potential head impact.
6. It is the responsibility of the vehicle operator to ensure during use that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles, or other obstructions.
7. The use of this or any other warning device does not ensure all drivers can or will observe or react to a warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, walking on or around traffic lanes.
8. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding warning signal devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

Specifications:

Size: 7.5" length, 3.3" height, 2.1" depth
Weight: 0.4 lb
Input Voltage: 12-24 VDC

FGS NO.	Current Draw @ 12VDC NOMINAL
3965A	0.25
3965B	0.51
3965C	0.24
3965R	1.1

Installation & Mounting:

Cut a hole in the vehicle using the product as a template. Push the rubber grommet into the hole until it seats. Route wires from the light through the hole and connect to the vehicle wiring harnesses. Push the light into the grommet until it seats.

Wiring:

Important! This unit is a warning device, and it must be connected to its own separate, fused power point to assure its continued operation should any other electrical accessory fail.

The 3965 Series of directional LED lights are self flashing when not in pattern 9. All wiring should be a minimum of 20 AWG. The positive line must have an in-line 2 amp slow-blow fuse for each directional as shown in Figure 1.

Directionals must be set to steady burn before a separate in-line flasher (accessory option listed below) is installed as shown in Figure 2.

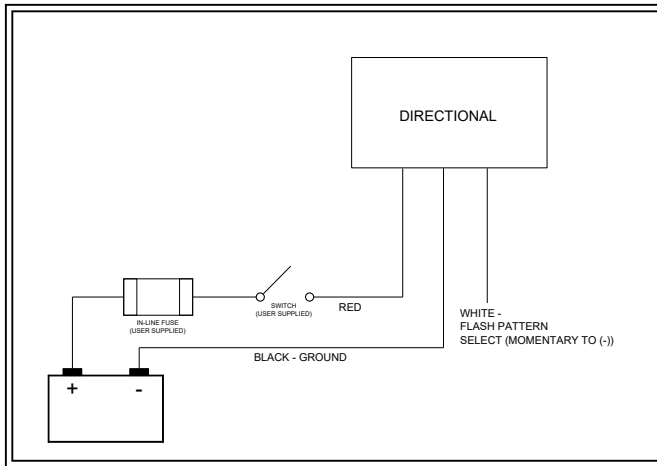


FIGURE 1

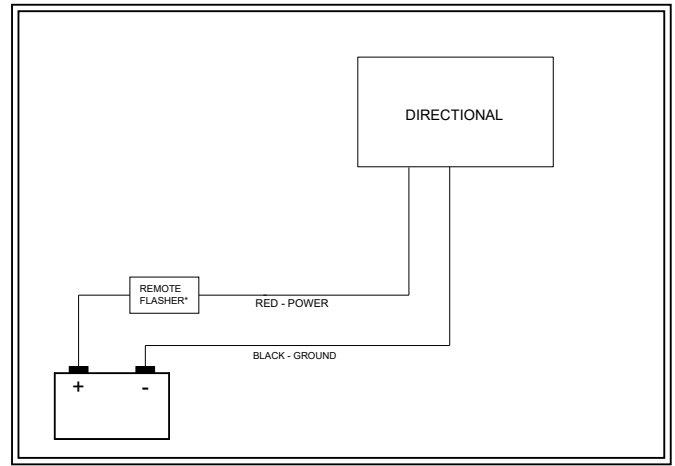


FIGURE 2

Flash Pattern Selection:

The 3965 series directionals can be configured to flash the following patterns (in the order shown) by momentarily applying ground to the white wire. The directional must be powered through the ground and power wires to allow pattern selection.

Accessory and Replacement Parts:

Description	Part No.
Remote Solid State Flasher	LEDFLASHER1
3965X, 3965XX Oval Grommet	R2160G0
3965X, 3965XX Oval Grommet Box	A9895

3965X & 3965XX FLASH PATTERN CHART

Pattern	Flash Pattern	FPM	SAE J595			
			A	B	C	R
1	Single	185	C1	C2	C2	C2
2	Single	115	C1	C2	C2	C2
3	Single	230	N/C	N/C	N/C	N/C
4	Double	155	C1	C2	C2	C2
5	Quint	70	C1	C2	C2	C2
6	Single	360	N/C	N/C	N/C	N/C
7	Double	75	C1	C2	C2	C2
8	Quad	70	C1	C2	C2	C2
9	Steady Burn	N/A	N/C	N/C	N/C	N/C

**Dual color units flash in split alternating patterns