

Installation and Operation Instructions

LEDFLASHER1W



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:	3.90" X 3.00" X 0.875"
Input Voltage:	12.8VDC
Output Voltage:	12.8VDC
AMP Rating:	10AMP per output wire

Installation & Mounting:

Select a mounting location for the unit on a flat surface. Using the unit as a template, drill a hole in mounting surface at each hole location. The unit can be mounted to any flat surface with # 6 or #8 screws.

Wiring:

CAUTION:

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.

All wiring should be a minimum of 16 AWG with the exception of the RED and BLACK wires.

RED WIRE: Connect to 12 volts to enable flasher. This is a low current connection and can be run with as small as 22 AWG wire.

BLACK WIRE: Momentarily touch to 12 volts to change flash pattern. This is a low current connection and can be run with as small as 22 AWG wire.

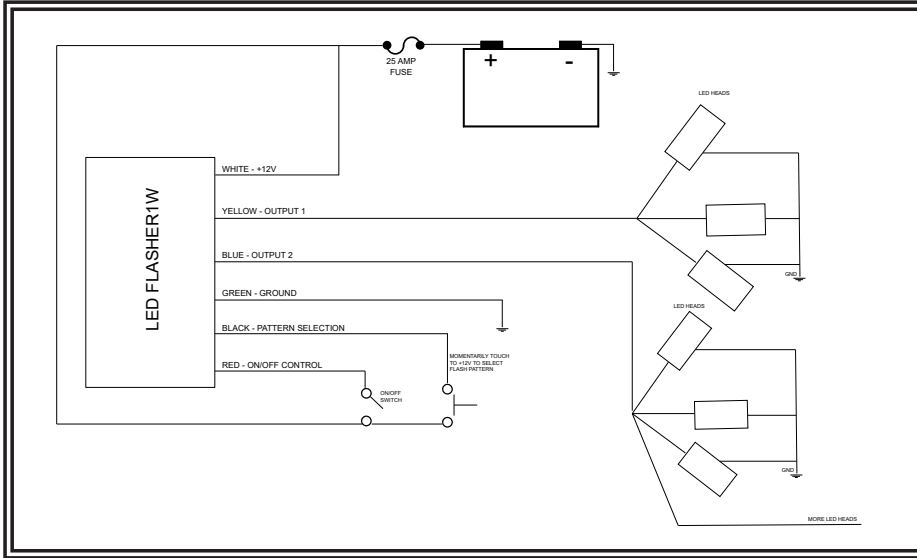


FIGURE 1

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.

Flash Pattern Selection:

The LEDFLASHER1W can be configured to flash the following patterns (in the order shown) by momentarily touching the black wire to power. The unit must be powered through the ground and power wires to allow pattern selection.

The unit remembers the last pattern selected.

A momentary pushbutton switch may be used to change flash pattern.

FLASH PATTERN CHART				
PATTERN	FLASH PATTERN	FPM	SAE	R65
1	Random Level 4 (patterns 5-12, 4 times through)	N/A	N/C	N/C
2	Steady On	N/A	N/C	N/C
3	Random Level 10 (patterns 5-12, 10 times through)	N/A	N/C	N/C
4	Flasher	75 FPS	X	N/C
5	Double Flash	55	N/C	N/C
6	Quad Flash	65	X	N/C
7	Quintuple Flash	75	X	N/C
8	Mega Flash	250	N/C	N/C
9	Octa Flash	100	X	N/C
10	Phased Mega	360-1200	N/C	N/C
11	Deci Blast	85	X	N/C
12	Warble	250-500	N/C	N/C
13	Single	150	X	X
14	Double Flash	150	X	X
15	Quad Flash	150	X	X

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833 West Diamond St
Boise, Idaho 83705
Customer Service
USA 800-635-5900
UK +44 (0)113 237 5340
AUS +61 (0)3 63322444
www.eccoesg.com