

3900 Central Parkway
Hudsonville, MI 49426
toll free 800.338.7337
office 616.896.7100
techsupport@soundoffsignal.com
www.soundoffsignal.com



WARNING

This product contains high intensity LED devices. To prevent eye damage, DO NOT stare into light beam at close range.

IMPORTANT: DO NOT connect this device to a strobe power supply

WARNING: Warning devices are strictly regulated and governed by Federal, State, and Municipal ordinances. These devices shall be used ONLY on approved vehicles. It is the sole responsibility of the user of these devices to ensure compliance.

GROMMET MOUNTING

1. Cut a 4-1/2" hole in vehicle if needed.
2. Push Rubber Grommet into hole until it seats
3. Feed wires through hole and connect the wires to user supplied switching unit inside vehicle.
4. Push the light into grommet until it seats. The word "Top" must be positioned at the top of the light.

OPERATING INSTRUCTIONS

The R4 Series LED light comes equipped with its own selectable 16 pattern flasher or it can be put into slave mode and driven through an external flasher.

1. Connect the BLACK wire to a good, convenient ground.
2. Connect the RED wire to one side of user supplied on/off switch. Connect the other side of the switch, through a 5 Amp fuse, to a source of +10-16Vdc.

PATTERN SELECTION

1. Turn light ON.
2. Touching and removing the WHITE wire to ground will advance the light to the next flash pattern. See flash pattern table. Continuing to touch and remove the WHITE wire to ground will allow you to scroll through the pattern list. After pattern #16 is reached the list will start over again at pattern #1.

Note: The R4 Series LED Light is equipped with a flash pattern memory. Once you have selected a pattern, the light will always activate to that pattern every time the unit is turned on. Tape and secure WHITE wire so that it will not accidentally change your selected pattern.

SLAVE MODE

The R4 Series Light is capable of being activated through the use of a user supplied flasher by putting it in slave mode.

1. Permanently connect the WHITE to a good, convenient ground.
2. Connect the RED wire, through a 5 Amp fuse, to the output of a +10-16Vdc switching flasher.



**CURRENT DRAW AT
12.8Vdc**

1 Amp (All configs.)

WIRE HOOK-UP TABLE

**Wire Color
Connect to:**

Red	+9-16Vdc
Black	Ground (-)
White	ID/Pattern Select



3900 Central Parkway
 Hudsonville, MI 49426
 toll free 800.338.7337
 office 616.896.7100

techsupport@soundoffsignal.com
 www.soundoffsignal.com

R4 SERIES LED LIGHT ERDREBZ3(xx)

R4 Series Sync Configuration Instructions

1. Set ID#
 - a. Identify which pattern and sequence you want and look up ID#s on table.
 - b. Connections
 - i. RED: +12Vdc
 - ii. WHT: +12Vdc (Note: you will need to disconnect after power is applied)
 - iii. BLK: Ground
 - c. Apply power to unit
 - d. Without disconnecting power from unit, disconnect WHT wire
 - e. Momentarily connect WHT to Ground to change ID #
 - i. Identify ID# by number of sequential flashes
 - ii. Possible ID#s: 1 – 4
 - f. Disconnect power from unit to get out of ID mode.
2. Set Pattern
 - a. Reapply power to units.
 - b. Once all Light Head ID#s are configured, make sure all lights are flashing the same pattern
 - c. Connect corresponding colored wires of all units together: RED to RED, etc.
 - d. Change Pattern
 - i. Momentarily connect WHT wires to Ground
 - ii. Observe pattern change on all lights connected
 - e. Insulate all wires by taping with electrical tape
3. Connect Master Switch for Application
 - a. **IMPORTANT!** Ensure WHT Pattern/Sync Wires are tied together

FLASH PATTERNS for R4 Series LED Light (fpm=flashes/minute)

#	Pattern Name	1 Light	Alternating 2 Lights	Simultaneous 2 Lights	X-Pattern 4 Lights	Flashes / Minute
1	Quint	X	X	X	-	70
2	Warp	X	X	X	-	350
3	Inter-Cycle Flash	X	X	-	-	
4	Double	X	X	X	-	70
5	Quad Flash	X	X	X	-	80
6	3 FPS	X	X	X	-	180
7	3 FPS	X	X	X	-	180
8	Q-Switch	X	X	-	-	
9	Warp, Steady Burn	X	X	-	-	350
10	Quad, Steady Burn	X	X	-	-	80
11	E-Pattern Single Flash	X	X	X	-	230
12	E-Pattern Double Flash	X	X	X	-	125
13	E-Pattern Single Flash	X	X	X	-	230
14	E-Pattern Double Flash	X	X	X	-	155
15	X-Warp	-	-	-	X	350
16	X-Double	-	-	-	X	70

1 LIGHT

Single Light Operation: Follow the ID Selection steps and set the light to ID#1 if it is not already. NOTE: Steady Burn is produced for patterns 9 & 10 in Single Operation.

2 LIGHTS

ALTERNATING: To obtain Alternating patterns, follow the ID SELECTION steps and set one light to ID#1 and the other to ID#3. Then proceed to the PATTERN SELECTION steps.

SIMULTANEOUS: To obtain Simultaneous patterns, follow the ID SELECTION steps and set both lights to ID#1. Then proceed to PATTERN SELECTION steps.

4 LIGHTS

X-Pattern: To obtain X-patterns, follow the ID SELECTION steps and set one of the four lights to ID#1, one to ID#2, one to ID#3, and one to ID#4. Then proceed to PATTERN SELECTION steps. NOTE: Be sure to mount each light in the correct placement based on ID#.

X-Pattern Sequence

ID#1 > ID#4 > ID#2 > ID#3

X-Pattern Light Head Placement

ID#4	ID#2
ID#3	ID#1