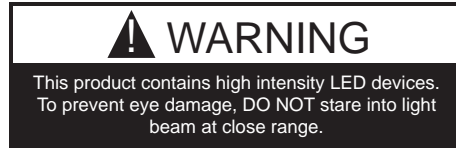# SoundOff Signal

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

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.

UltraLITE
Exterior Warning Bar

12 MODULE EXTERIOR BAR
ASSEMBLY INSTRUCTIONS
12v: EL3D12AØØ(x)
10-30v: EL3D12AØØ(x)-24
10-30v w/ 50' CABLE: EL3D12A(x)L(x)-24

MOUNTING INSTRUCTIONS

Before starting the installation make certain you have the correct bracket for your application. A universal bracket is supplied. The product is also designed for surface mounting. Drill holes where required in the mounting surface. The bolts provided can slide back and forth in the bar's rear channel to align with the mounting holes.

Install the UltraLITE by following the assembly instructions provided with the brackets and check for security.

Important: DO NOT over tighten mounting screws or nuts. This could cause permanent damage to the light or bracket. Use appropriate hardware for mounting.

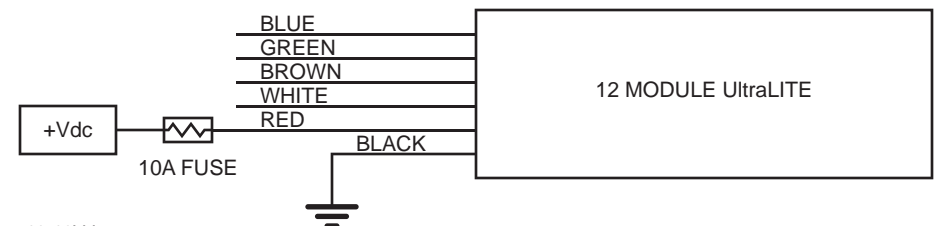Universal bracket shown is supplied but mounting screws are customer supplied.

PATTERN SELECTION

Because of the variety of configuring options see separate sheets for detailed instructions

SUPPLIED BAR MOUNTING HARDWARE

UNIVERSAL BRACKET

WIRE HOOK-UP TABLE	
Wire Color	**Connect to:**
Blue	Input 1 / Left Input
Green	Input 2 / Right Input
Brown	Input 3 / Warning Input
Red	+Vdc
Black	Ground (-)
White	Pattern Select

Input Voltage (+Vdc):	EL3D12AØØ(x)	10-16Vdc
	EL3D12AØØ(x)-24	10-30Vdc
Current:	6 Amps Maximum	

BLUE
GREEN
BROWN
WHITE
RED
BLACK

+Vdc

10A FUSE

12 MODULE UltraLITE

SoundOff Signal

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

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.

⚠ WARNING

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

UltraLITE

Exterior Warning Bar

12 MODULE EXTERIOR BAR
FULL DIRECTIONAL ARROW
CONFIGURATION INSTRUCTIONS
12v: EL3D12AØØ(x)
10-30v: EL3D12AØØ(x)-24
10-30v w/ 50' CABLE: EL3D12A(x)L(x)-24

PATTERN SELECTION

1. Connect BLACK wire to ground.
2. Connect RED wire to +Vdc.
3. Connect GREEN, BLUE and BROWN wires to +Vdc.
4. With power applied to the three wires, momentarily apply power to WHITE wire to change the directional arrow patterns.
5. While changing patterns, the UltraLITE will display the left arrow pattern.
6. When you have chosen the directional pattern, disconnect GREEN and BLUE wires from power.
7. With the BROWN wire connected to power, momentarily apply power to WHITE wire to change the arrow warning pattern.
8. When you have selected the arrow warning pattern, disconnect BROWN wire from power.
9. You are finished configuring the UltraLITE.

ARROW PATTERNS for 12 MODULE UltraLITE - 1 COLOR

1	Solid	Fast	High Power
2	Solid Plus	Fast	High Power
3	Sequential	Fast	High Power
4	Sequential2 (2 lights)	Fast	High Power
5	Chaser	Fast	High Power
6	Solid	Slow	High Power
7	Solid Plus	Slow	High Power
8	Sequential	Slow	High Power
9	Sequential2 (2 lights)	Slow	High Power
10	Chaser	Slow	High Power
11	Solid	Fast	Low Power
12	Solid Plus	Fast	Low Power
13	Sequential	Fast	Low Power
14	Sequential2 (2 lights)	Fast	Low Power
15	Chaser	Fast	Low Power
16	Solid	Slow	Low Power
17	Solid Plus	Slow	Low Power
18	Sequential	Slow	Low Power
19	Sequential2 (2 lights)	Slow	Low Power
20	Chaser	Slow	Low Power

ARROW WARNING PATTERNS

1	Double	Left and Right (Alternating)
2	Double	Every Other Module
3	Q-Switch™	Left and Right (Alternating)
4	Q-Switch™	Every Other (Alternating)
5	PowerPulse™	Every Other (Alternating)
6	PowerPulse™	Left and Right (Alternating)
7	Quad	Outer and Inner (Alternating)
8	Warp	Every Other (Alternating)
9	Crossfire	
10	HyperScan	
11	SuperScan	
12	Power Flash	

Alternating: 1,2,3,4 alternates with 5,6,7,8
Every Other: 1,3,5,7 alternates with 2,4,6,8

SoundOff Signal

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

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.

⚠ WARNING

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

UltraLITE

Exterior Warning Bar

12 MODULE EXTERIOR BAR
6+6 SPLIT WARNING
CONFIGURATION INSTRUCTIONS
12v: EL3D12AØØ(x)
10-30v: EL3D12AØØ(x)-24
10-30v w/ 50' CABLE: EL3D12A(x)L(x)-24

FLASH PATTERNS
12 MODULE UltraLITE - SPLIT COLOR

1	Quint Flash	Alternating
2	Warp Flash	Alternating
3	Inter-cycle Flash	Alternating
4	Double Flash	Alternating
5	Quad Flash	Alternating
6	3 Flashes / Second	Alternating
7	3 Flashes / Second	Simultaneous
8	Q-Switch™	Alternating
9	E-Pattern Single Flash	Alternating
10	E-Pattern Double Flash	Alternating
11	E-Pattern Single Flash	Simultaneous
12	E-Pattern Double Flash	Simultaneous
13	LiteRyder	Sweep
14	Quint Flash	Every Other Module
15	Warp Flash	Every Other Module
16	Inter-cycle Flash	Every Other Module
17	Double Flash	Every Other Module
18	Quad Flash	Every Other Module
19	Q-Switch™	Every Other Module

Alternating: 1,2,3,4,5,6 alternates with 7,8,9,10,11,12
Simultaneous: All modules on at same time
Every Other: 1,3,5,7,9,11 alternates with 2,4,6,8,10,12

PATTERN SELECTION

1. Connect BLACK wire to ground.
2. Connect RED wire to +Vdc power.
3. Connect BLUE wire to +Vdc power.
4. With power applied to BLUE wire, momentarily apply power to WHITE wire to move forward one warning pattern.
5. When you have chosen your first warning pattern, disconnect BLUE wire from power.
6. The pattern you have selected will always display on the UltraLITE when power is applied to the BLUE wire.
7. To setup your next warning pattern, connect GREEN wire to power.
8. With power applied to the GREEN wire, momentarily apply power to WHITE wire to move forward one warning pattern.
9. When you have chosen you second warning pattern, disconnect GREEN wire from power.
10. The pattern you have selected will always display on the UltraLITE when power is applied to the GREEN wire.
11. To setup the last warning pattern, connect BROWN wire to power.
12. With power applied to the BROWN wire, momentarily apply power to WHITE wire to move forward one warning pattern.
13. When you have chosen your third warning pattern disconnect BROWN wire from power.
14. The pattern you have selected will always be displayed on the UltraLITE when power is applied to the BROWN wire.
15. You are finished configuring the UltraLITE.

SoundOff Signal

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

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.

⚠ WARNING

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

UltraLITE

Exterior Warning Bar

12 MODULE EXTERIOR BAR
DIRECTIONAL ARROW
W/ SINGLE WARNING TIPS
CONFIGURATION INSTRUCTIONS
12v: EL3D12A1Ø(x)
12v: EL3D12B1Ø(x)
10-30v: EL3D12A1Ø(x)-24
10-30v: EL3D12B1Ø(x)-24
10-30v w/ 50' CABLE: EL3D12A(x)L(x)-24

PATTERN SELECTION

1. Connect BLACK wire to ground.
2. Connect RED wire to +Vdc.
3. Connect GREEN and BLUE wires to +Vdc.
4. With power applied to the two wires momentarily apply power to WHITE wire to change the directional arrow patterns.
5. While changing patterns, the UltraLITE will display the left arrow pattern.
6. When you have chosen the directional arrow pattern, disconnect GREEN and BLUE wires from power.
7. Connect BROWN wire to +Vdc and momentarily apply +Vdc to WHITE wire to change the warning pattern displayed on the UltraLITE.
8. When you have selected the warning pattern for the UltraLITE, disconnect BROWN wire from power.
9. You are finished configuring the UltraLITE.

PART NUMBERS: EL3D12A10(x), EL3D12A10(x)-24, & EL3D12A(x)L(x)-24: warning tips flash in both warning mode and directional mode.

PART NUMBERS: EL3D12B10(x) & EL3D12B10(x)-24: warning tips flash only when warning mode is selected.

ARROW PATTERNS for
12 MODULE UltraLITE - 10+2 COLOR

1	Solid	Fast	High Power
2	Solid Plus	Fast	High Power
3	Sequential	Fast	High Power
4	Sequential2 (2 lights)	Fast	High Power
5	Chaser	Fast	High Power
6	Solid	Slow	High Power
7	Solid Plus	Slow	High Power
8	Sequential	Slow	High Power
9	Sequential2 (2 lights)	Slow	High Power
10	Chaser	Slow	High Power
11	Solid	Fast	Low Power
12	Solid Plus	Fast	Low Power
13	Sequential	Fast	Low Power
14	Sequential2 (2 lights)	Fast	Low Power
15	Chaser	Fast	Low Power
16	Solid	Slow	Low Power
17	Solid Plus	Slow	Low Power
18	Sequential	Slow	Low Power
19	Sequential2 (2 lights)	Slow	Low Power
20	Chaser	Slow	Low Power

END MODULE WARNING

1	Traffic Mover	Simultaneous
2	Q-Switch™	Alternating
3	RoadRunner™	Alternating
4	PowerPulse™	Alternating
5	Progressive	Alternating

Simultaneous: 1 and 12 together
Alternating: 1 alternates with 12

SoundOff Signal

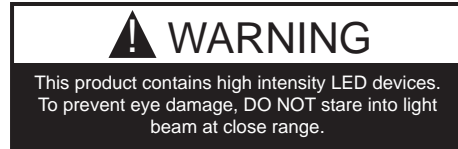3900 Central Parkway
Hudsonville, MI 49426
toll free 800.338.7337
office 616.896.7100
techsupport@soundoffsignal.com
www.soundoffsignal.com

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.

⚠ WARNING

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

UltraLITE

Exterior Warning Bar

12 MODULE EXTERIOR BAR
DIRECTIONAL ARROW
W/ DUAL WARNING TIPS
CONFIGURATION INSTRUCTIONS
12v: EL3D12A2Ø(x)
12v: EL3D12B2Ø(x)
10-30v: EL3D12A2Ø(x)-24
10-30v: EL3D12B2Ø(x)-24
10-30v w/ 50' CABLE: EL3D12A(x)L(x)-24

PATTERN SELECTION

1. Connect BLACK wire to ground.
2. Connect RED wire to +Vdc.
3. Connect GREEN and BLUE wires to +Vdc.
4. With power applied to the two wires momentarily apply power to WHITE wire to change the directional arrow patterns.
5. While changing patterns, the UltraLITE will display the left arrow pattern.
6. When you have chosen the directional arrow pattern, disconnect GREEN and BLUE wires from power.
7. Connect BROWN wire to +Vdc and momentarily apply +Vdc to WHITE wire to change the warning pattern displayed on the UltraLITE.
8. When you have selected the warning pattern for the UltraLITE, disconnect BROWN wire from power.
9. You are finished configuring the UltraLITE.

PART NUMBERS: EL3D12A20(x), EL3D12A20(x)-24, & EL3D12A(x)L(x)-24: warning tips flash in both warning mode and directional mode.

PART NUMBERS: EL3D12B20(x), & EL3D12B20(x)-24: warning tips flash only when warning mode is selected.

ARROW PATTERNS for
12 MODULE UltraLITE - 8+4 COLOR

1	Solid	Fast	High Power
2	Solid Plus	Fast	High Power
3	Sequential	Fast	High Power
4	Sequential2 (2 lights)	Fast	High Power
5	Chaser	Fast	High Power
6	Solid	Slow	High Power
7	Solid Plus	Slow	High Power
8	Sequential	Slow	High Power
9	Sequential2 (2 lights)	Slow	High Power
10	Chaser	Slow	High Power
11	Solid	Fast	Low Power
12	Solid Plus	Fast	Low Power
13	Sequential	Fast	Low Power
14	Sequential2 (2 lights)	Fast	Low Power
15	Chaser	Fast	Low Power
16	Solid	Slow	Low Power
17	Solid Plus	Slow	Low Power
18	Sequential	Slow	Low Power
19	Sequential2 (2 lights)	Slow	Low Power
20	Chaser	Slow	Low Power

END MODULE WARNING

1	Traffic Mover	Simultaneous
2	Q-Switch™	Alternating
3	RoadRunner™	Alternating
4	PowerPulse™	Alternating
5	Progressive	Alternating

Simultaneous: 1-2 and 11-12 together
Alternating: 1-2 alternates with 11-12