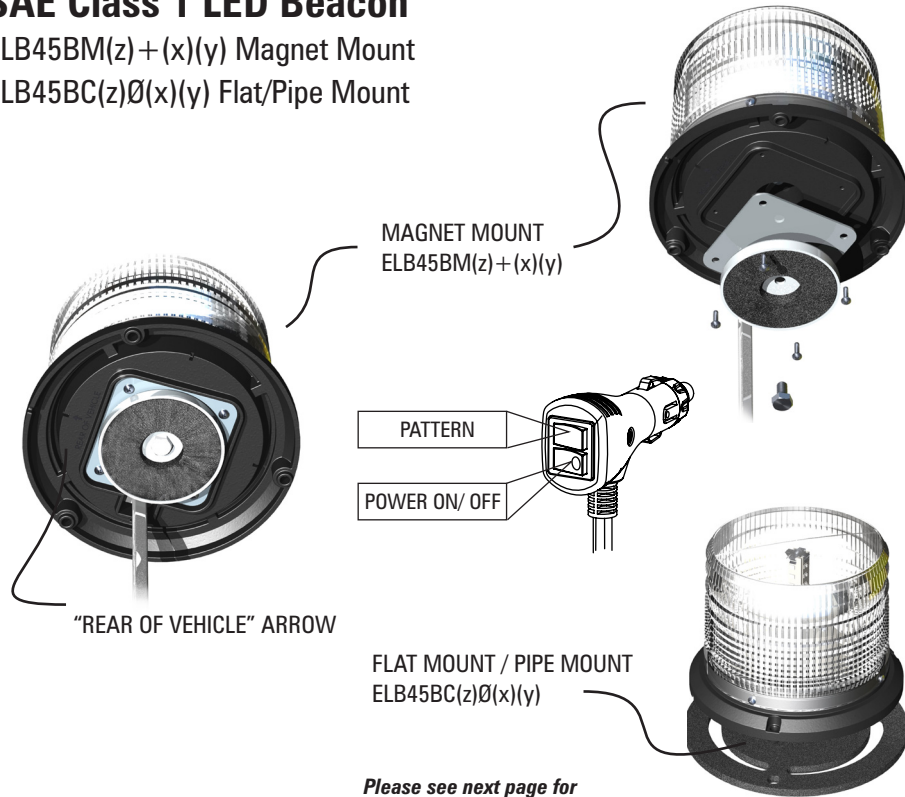


SAE Class 1 LED Beacon

ELB45BM(z)+(x)(y) Magnet Mount

ELB45BC(z)Ø(x)(y) Flat/Pipe Mount



Please see next page for
Technical Specifications

⚠ WARNING

- HIGH CURRENT interconnects must be properly terminated. Poor crimp quality can cause heat build-up and fire. Follow crimp connector manufacturer instructions.
- DO NOT install this product or route any wires in the Air Bag Deployment Zone. Refer to vehicle Owner's Manual for deployment zones.
- Do NOT use system to disconnect headlights, brake lights or other safety equipment.
- Unit may become hot to touch during normal operation.
- Failure to properly install connectors, fuses or wiring may cause vehicle failure or fire.
- Installation must only be performed by trained technician. Installer must determine vehicle wiring configuration and proper integration of system.
- Use proper wire gauge. All power wires connecting to positive (+) or negative (-) battery terminal or local chassis ground (-) must be sized to supply at least 125% of max. current and properly fused at power source.
- Install protective grommets when routing wire through firewall or metal.

SoundOff
Signal
Smart Design.

INSTALLATION:

Magnet Mount

- 1) Install square metal plate with PEM nut up using M3x10mm screws as shown.
- 2) Carefully place beacon on steel top of vehicle with "Rear of Vehicle" arrow toward rear.
- 3) Route wire to 12V socket.

Flat Mount

- 1) Determine location where beacon is to be installed and drill $\varnothing 1/2$ " hole at the center for cord exit.
- 2) Using the housing as a guide mark the centers of hole positions in three places (note "Rear of Vehicle" Arrow) and drill appropriate pilot holes.
- 3) With wire through center of gasket make electrical connections.
- 4) Ensure "Rear of Vehicle" Arrow is in correct position and install 3 screws being careful not to strip out pilot holes. DO NOT OVERTIGHTEN.

Pipe Mount

Beacon may be installed on a vertical pipe with 1" NPT thread.

- 1) Feed wires through pipe and make electrical connections.
- 2) Screw base of beacon to pipe (clockwise). Adjust pipe or beacon so that "Rear of Vehicle" Arrow points to the rear.



NOTICE:

Installers and users must comply with all applicable federal, state and local laws regarding use and installation of warning devices.

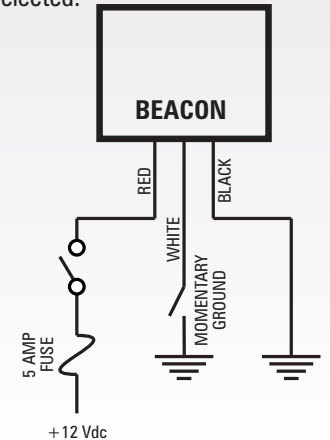
OPERATION:

Magnet Mount

- 1) Place beacon on roof of vehicle
- 2) Route wire through window
- 3) Plug into 12V socket
- 4) Refer to diagram at left for POWER ON/OFF switch and Pattern Select switch locations
- 5) Turn beacon ON by pressing the POWER ON/OFF switch to the ON position
- 6) With beacon OFF, press and hold PATTERN SELECT switch for 1 second until you see the beacon flash the new pattern then release
- 7) Holding the PATTERN SELECT switch for > 5 seconds while the beacon is ON will reset the beacon to pattern #1

Flat / Pipe Mount

- 1) Connect wires as shown below (note that white wire is for momentary ground (used for pattern selection) and should be taped after pattern is selected.



SAE Class 1 LED Beacon

ELB45BM(z)+(x)(y) Magnet Mount

ELB45BC(z)Ø(x)(y) Flat/Pipe Mount

TECHNICAL SPECIFICATIONS	
Overall Dimensions:	4.86"H x 6.35"Ø
Flash Patterns:	8 flash patterns
Input Voltage Range:	9 - 30 Vdc
Current Consumption:	less than 2 amps
# of LEDs:	12 Generation 3 LEDs
Light Sync Technology:	Yes
Operating Temperature:	-40° to +65° C
Cord Length Permanent:	26.75"
Cord Length Magnet:	125.75"

Flash Patterns						
Alternating Patterns	1 Light	Alternating 2 Lights	Simultaneous 2 Lights	X-Pattern 4 Lights	FPM (Flashes per Minute)	SAE Compliant
1. Warp	x	x	x		240	YES
2. Quad Flash	x	x	x		81	YES
3. Quint	x	x	x		70	YES
4. Double Flash	x	x	x		70	YES
5. Quad2 Flash	x	x	x		67	YES
6. Warp ²	x	x	x		59	NO
7. E-Ideal Single Flash	x	x	x		63	YES
8. U ²	x	x	x		176	YES



SAE Class 1 LED Beacon

ELB45BC(z)0(x)(y) Flat/Pipe Mount

NOTE: The Magnet Mount Beacon (ELB45BM(z)+(x)(y)) **CANNOT** be synced.

Beacon Light Sync Configuration Instructions

- Set ID#**
 - Identify which pattern and sequence you want.
 - Connections
 - RED: +12Vdc
 - WHT: +12Vdc (Note: you will need to disconnect after power is applied)
 - BLK: Ground
 - Apply power to unit
 - Without disconnecting power from red wire, disconnect WHT wire
 - Momentarily connect WHT to Ground to change ID #
 - Identify ID# by number of sequential flashes
 - Possible ID#s: 1 – 4
 - Disconnect power from red wire to get out of ID mode.
- Set Pattern**
 - Reapply power to red wire.
 - Once all Light Head ID#s are configured, **make sure all lights are flashing the same pattern.**
 - Connect corresponding colored wires of all units together: RED to RED, etc.
 - Change Pattern
 - Momentarily connect WHT wires to Ground
 - Observe pattern change on all lights connected
 - Insulate all wire connections
- Reset Pattern**
 - Remove power
 - Place WHITE (sync) wire to ground
 - With sync wire grounded, re-power RED wire
 - Maintain for one second (light will dim)
 - Remove power and ground (pattern 1 set)

SEQUENCE:

2 LIGHTS

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