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CL1B

WARNING:

As with any magnetically-mounted warning device, its use on the exterior of a moving vehicle is at the sole discretion and responsibility of the user. This magnetic mount product provides a secure, temporary installation in most circumstances and is recommended for stationary use only.

The magnetic based beacon provides a secure, temporary installation. The beacon should be placed in the center of the roof where the least amount of curvature occurs. Check the magnet for debris before installation. Any foreign matter can reduce holding power and scratch the vehicle. The roof surface should be dry and have a dull, not glossy finish. A glossy, highly waxed surface will reduce the magnet's holding power. When placed, the beacon should adhere firmly. The user should not attempt to drive with the beacon in place should the unit slide or move easily.

PERMANENT MOUNTING

The permanent mount beacon provides a secure, permanent installation. Use the supplied foam gasket and screws to mount the beacon in the desired location. Wire routing should be taken into consideration when choosing a mounting location.

PIPE MOUNTING (optional)

The beacon base will accept a standard 1" NPT pipe. Hand tighten the beacon base on the pipe thread until the pipe bottoms out inside the unit.

WIRING INSTRUCTIONS

MAGNETIC MOUNTING

The magnetic mount beacon is equipped with a cord that plugs into a 12 Volt DC cigarette lighter outlet: rotate and push with reasonable moderate force to insure the best possible connection.

PERMANENT MOUNTING

The permanent mount beacon wire functions are as outlined below:

<u>COLOR</u>	<u>FUNCTION</u>	<u>CONNECT TO</u>
Red	Power	+VDC
Black	Ground	Chassis Ground
Blue	Pattern Switching	Chassis Ground to Activate
Yellow	Synchronization	See Operation Section
Purple	Low Power	Chassis Ground to Activate
White	Upwards Facing Patrol LEDs	Chassis Ground to Activate



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OPERATION

Low Power (Permanent Mount Only):

Connect the Purple wire to Chassis Ground to put the beacon into low power operation. Disable this wire to restore normal, high power function.

Upward Facing Patrol LEDs (Permanent Mount Only):

Connect the White wire to chassis ground to activate the upward facing Patrol LEDs. Disable this wire to restore normal operation.

FLASH PATTERNS

The CL1B LED Beacon is programmed with 30 different flash patterns. Refer to the section below for instructions on how to select a flash pattern.

SYNCHRONOUSE FLASH PATTERNS

FP1: Single Alert 75 PHASE 1 (sim)	FP12: Single Flash 150 PHASE 2 (sim)
FP2: Single Alert 75 PHASE 2 (sim)	FP13: Single Flash 75 PHASE 1 (sim)
FP3: Quad Flash 75 PHASE 1 (sim)	FP14: Single Flash 75 PHASE 2 (sim)
FP4: Quad Flash 75 PHASE 2 (sim)	FP15: Single Alert 75 (alt)
FP5: Double Flash 150 PHASE 1 (sim)	FP16: Quad Alert 75 (alt)
FP6: Double Flash 150 PHASE 2 (sim)	FP17: Double Flash 150 (alt)
FP7: Double Flash 75 PHASE 1 (sim)	FP18: Double Flash 75 (alt)
FP8: Double Flash 75 PHASE 2 (sim)	FP19: Single Flash 375 (alt)
FP9: Single Flash 375 PHASE 1 (sim)	FP20: Single Flash 150 (alt)
FP10: Single Flash 375 PHASE 2 (sim)	FP21: Single Flash 75 (alt)
FP11: Single Flash 150 PHASE 1 (sim)	

(sim): Front and rear LEDS fire simultaneously

(alt) Front and rear LEDS alternate

NON-SYNCHRONOUS FLASH PATTERNS

FP22: Active Flash (sim)	FP27: Rotator 75
FP23: Modular Flash (sim)	FP28: Rotator 150
FP24: Modular Active (alt)	FP29: Rotator 250
FP25: Modular Active (sim)	FP30: AUTORUN
FP26: Rotator 50	

(sim): Front and rear LEDS fire simultaneously

(alt) Front and rear LEDS alternate



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SYNCRONIZATION (Permanent Mount Only)

- To Sync two beacons, configure both beacons to display the same Phase 1 pattern.
- With the power off, connect the YELLOW wires from each beacon together.
- When the beacons are activated, their patterns will be synchronized.
- To configure the two light heads to alternate their patterns, advance the pattern of either beacon to the Phase 2 mode of the current pattern.

NOTICE: Do not SYNC more than 8 beacons!

SETTING THE FLASH PATTERN

MAGNETIC BASE VERSION

Depress the rocker switch on the lighter plug:

- Less than 1 second for the NEXT pattern
- 1 to 3 seconds for the PREVIOUS pattern
- 3 to 5 seconds for the DEFAULT pattern
- Greater than 5 seconds to TURN OFF the beacon

PERMANENT MOUNT VERSION

Connect the blue wire to black wire (chassis ground):

- Less than 1 second for the NEXT pattern
- 1 to 3 seconds for the PREVIOUS pattern
- 3 to 5 seconds for the DEFAULT pattern
- Greater than 5 seconds to TURN OFF the beacon

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