

ENGLISH

K-LED 450®

LED Warning Beacon

Mounting and Wiring Instruction

Please retain for future reference

Technical Data

Voltage	12-24 VDC
FPM	User Selectable
Amps	1.5 A
Mass	0.9 kg, 1.5 lb
Lamp type	LED
Certification	SAE J845 Class I red Class I amber

Wiring Instructions

The wiring for this configuration is shown in the diagram. All wiring should be a minimum of 0.85 mm 18AWG. The red wire is positive and must have a 10 amp fuse. A switch may be used to control the on/off function. The black, negative wire is connected to the battery ground. The yellow wire is designed to be connected to the vehicle's reverse circuitry. This allows the backup flash pattern to operate when the vehicle is in reverse.

Notes:

1. Use grommets and sealant when passing wire through compartment walls. Minimize the number of splices to reduce voltage drop.
2. Particular attention should be paid to the location and method of making electrical connections and splices to protect these points from corrosion and loss of conductivity.
3. Ground termination should only be made to substantial chassis components, preferably directly to the vehicle battery.

Troubleshooting

Most strobe failures, including intermittent or erratic operation as well as failure of operation, can be traced to wiring or battery problems. Check all wiring, connections, fuse, switch and battery voltages to insure that the correct voltage is reaching the strobe light.

- Hella shall be absolved from all responsibility for any modifications performed on the luminaire.
- Use only certified original equipment for replacement purposes.

Mounting Instructions

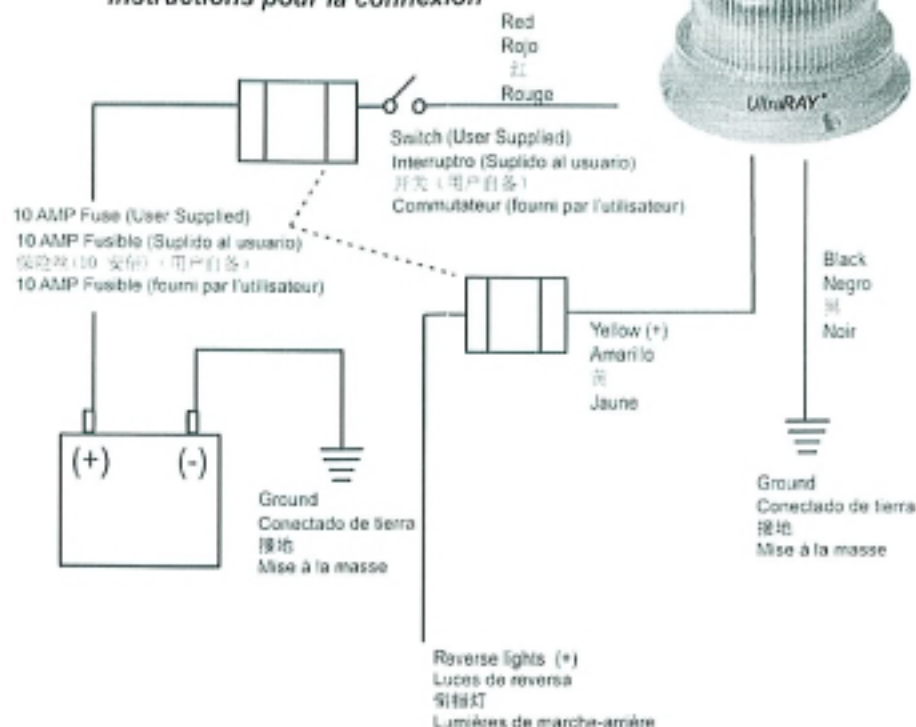
Using the beacon as a guide, mark and drill the 6 mm mounting holes. Use the enclosed hardware to mount as shown in the diagram.

Wiring Instruction

Instrucciones de instalación eléctrica

联线使用说明

Instructions pour la connexion

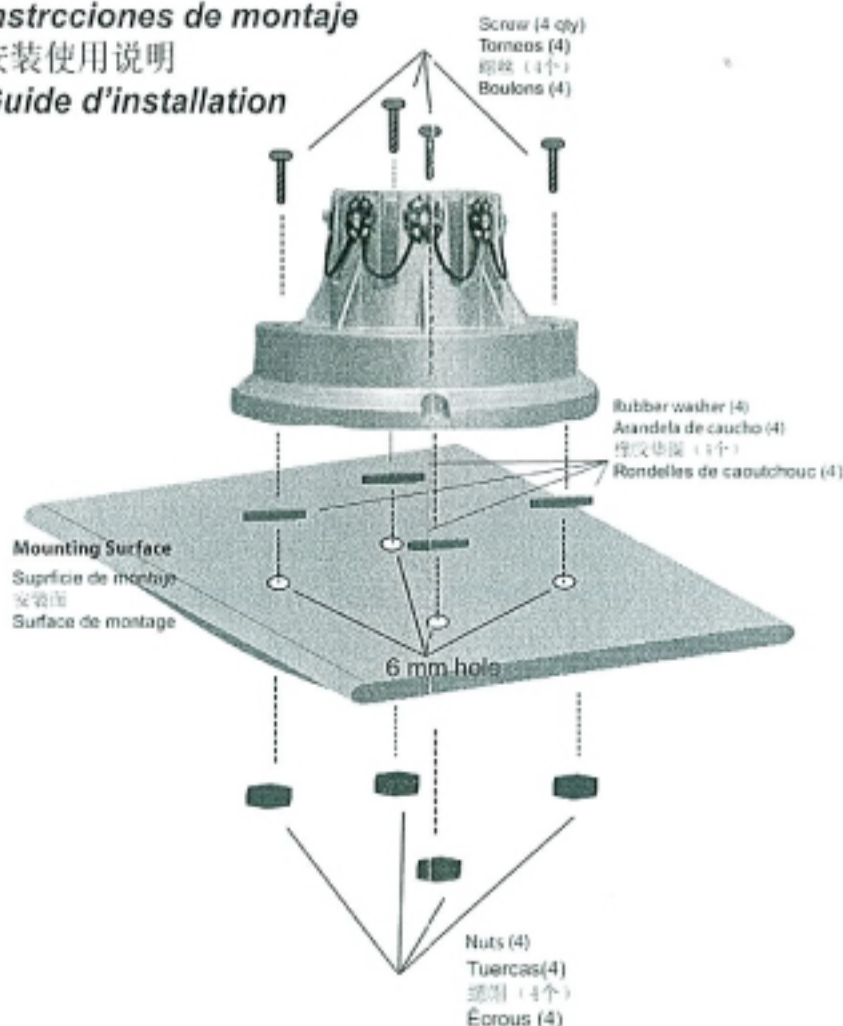


Mounting Instructions

Instrucciones de montaje

安装使用说明

Guide d'installation



K-LED 450

LED Warning Beacon
Flash Pattern Instructions
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Flash Mode Selection

The UltraRAY is programmed with four flash patterns. All beacons are shipped from the factory set for quad flash and high intensity. To change the settings, remove the lens, locate the DIP switch, and select the desired flash pattern by moving the required number of switches to the forward, or ON position. Refer to the images shown.

User Options

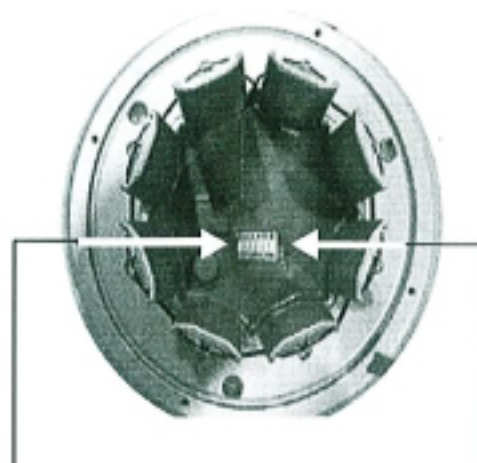
The **K-LED 450** offers three user options. To activate these options; remove the lens, locate the DIP switch, and move the required number of switches to the forward, or ON position. Refer to the images shown. Smart Mode allows the beacon to self adjust its intensity so that it is Class I brightness during the day and Class II at night. The auto reverse is a unique flash pattern that initiates when the vehicle is put into reverse. The flash pattern will return to the selected pattern when vehicle is taken out of reverse. The Battery monitor allows the **K-LED 450** to monitor the vehicle battery when a low battery condition is detected a warning flash will initiate. When battery conditions return to normal the beacon will reset to the selected flash pattern in approximately 15 minutes.

Flash Warning Code:

The **K-LED 450** has been programmed with the following warning code:

2 fast flashes/ 2 slow flashes:
The vehicle battery is low
Correction: Start vehicle to
recharge battery.

The flash warning code will reset automatically when conditions warrant.



Flash Patterns

Switches 1 and 2

Modelos de Destellos

Interruptores 1 y 2

闪光模式

开关1和2

Séquence d'Éclairage

Commutateurs 1 et 2

User Options

Switches 3, 4 and 5

Opciones de Usuario

Interruptores 3, 4 et 5

用户选项

开关3, 4, 5

Options disponibles à l'utilisateur

Commutateurs 3, 4 et 5



1. Double Flash
Intermitente Doble
两次闪光
Éclairs Doubles



2. Quad Flash
Intermitente Cuadrilátero
四次闪光
Éclairs Quadruples



3. Random Flash
Intermitente Hecho de Azar
无规律闪光
Éclairs Aléatoires



4. Action Flash
Intermitente de Acción
无规律加旋转闪光
Éclairs Action



1. Smart Mode
Modo Smart
智能模式
Mode de Réglage Auto
(or Smart Mode)



2. Auto Reverse
Auto Reversa
倒车自动闪光
Marche-arrière Automatique



3. Battery Monitor
Monitor de Bateria
监视车辆电池
Moniteur à Batterie