

# 4LED SQUARE WARNING LIGHTHEAD

## Wiring

To+VDC for Warning Mode (fuse @ 1A):..... **WHITE**

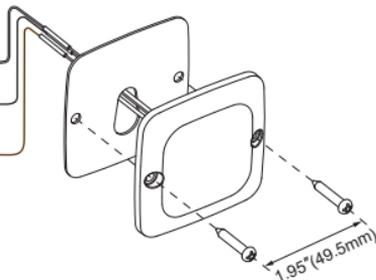
To Chassis Ground:..... **BLACK**

For Synchronization and Flash Pattern:..... **BROWN**

Connect **BROWN** wires of all lightheades together for synchronization.  
(All lightheades should be set to the same flash pattern)

**CAUTION:** Ensure that the mounting surface is evenly flat; mounting this lighthead on non-flat surfaces may result in bending and/or water ingress.

**NOTE:** When using adhesive mount, ensure that the mounting surface is clean, dry and well unified before mounting.



## Operation

### For Simultaneous or Alternating Flash:

- Enter **SETTING MODE** by powering up with **WHITE** and **BROWN** wires simultaneously; Remove **BROWN** wire from **+VDC**, and the lighthead will display short flashes (single or double) :
  - Single flash = Group 1      • Double flash = Group 2
- Momentarily apply **BROWN** wire to **+VDC** again to change Groups:
  - Lightheades of the same Group will flash together.
  - Lightheades of the different Group will flash alternately.
- Save and exit **SETTING MODE** by disconnecting all power.

### For Flash Pattern Selection:

While activating the warning mode, momentarily apply **BROWN** wire to **+VDC**:

- Once to the next pattern.
- Quick three times to FP#1 (see Flash Pattern Chart).

### Reset to Factory Default Settings:

- Apply **+VDC** to **WHITE** and **BROWN** wires simultaneously to enter **SETTING MODE**;
- Remove **BROWN** wire from **+VDC** then momentarily apply to **+VDC** again for more than 5 seconds. The lighthead will display fast short flashes to signify restoring successfully.

FP#	Flash Patterns	
1	Single	[2Hz]
2	Double	[2Hz]
3	Triple	[2Hz]
4	Quad	[2Hz]
5	Random	
6	Steady / Cruise	
7	Single	[SAE/CA13]
8	Double	[SAE]
9	Triple	[SAE]
10	Quad	[SAE]
11	Quint	[SAE]
12	Mega	
13	Giga	
14	Ultra	[SAE]
15	Single-Quad	
16	Single H/L	
17	Single-Triple-Quint	
18	Steady EF*	

\* For use with external flash controller.

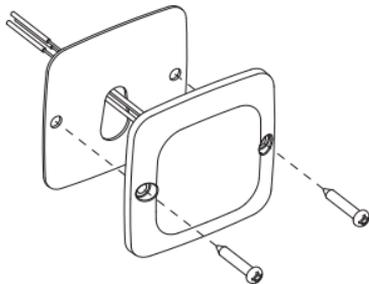
## ⚠ CAUTION

Overtightening the mounting screws could damage the lighthead and void the warranty.  
Use a torque wrench, tighten the mounting screws with the suggested range of torque value: For #6 mounting screws, 6 to 7.8 lbs-in (6.9 to 9 kgf-cm).

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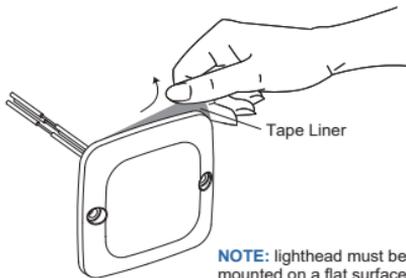
## Installation

### Screw Mount



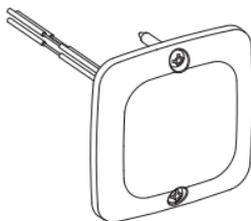
1. Drill two mounting holes and one wire passage hole on the mounting surface. Make sure no vehicle parts could be damaged by the drilling process. (Thoroughly deburr holes and use grommet for wire passage hole if needed)
2. Route the wires through the tape pad and the wire passage hole. Secure the lighthead by using the screws provided.

### Quick Mount

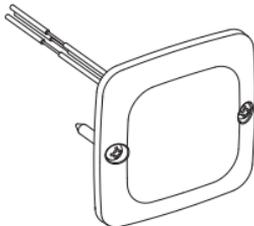


1. Drill a wire passage hole on the mounting surface. Make sure no vehicle parts could be damaged by the drilling process. (Thoroughly deburr hole and use grommet for wire passage hole if needed)
2. Clean and dry the mounting surface with alcohol prep pad. (or 50:50 mix of isopropyl alcohol and water)
3. Remove the tape liner to apply the tape to the lighthead.
4. Remove another tape liner from the tape.
5. Route the wires through the tape pad and the wire passage hole.
6. Apply the lighthead to the surface and press it firmly for 30 seconds.
7. Full adhesion and bonding will be achieved after 72 hours at room temperature.

### Application Example



OR



**NOTE:** lighthead may be mounted in any direction as shown in the picture above.