

# ECE R65 CLASS 2 WARNING LIGHTHEAD

## Wiring

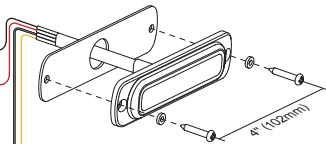
To Chassis Ground: ..... **BLACK**

For High Power Warning: ..... **RED**  
 (Fuse Rating @ 2A)  
 Apply +VDC to **RED** wire for High Power operation in ECE R65 Class 2\*.

For Low Power Warning: ..... **WHITE**  
 Apply +VDC to **WHITE** wires while **RED** wire is activated for Low Power operation in ECE R65 Class 1\*.

For Synchronization: ..... **YELLOW**  
 Connect **YELLOW** wires of all lighthoods together for synchronization. (All lighthoods should be set to the same pattern)

\* Actual approval will be based on the model purchased.



**NOTE:** Horizontal mount illustration.

## Operation

### For Simultaneous or Alternating Synchronization:

- Apply +VDC to **RED** and **YELLOW** wires simultaneously to enter grouping mode; lighthood will display short (single or double) flashes.
  - Single flash = Group1
  - Double flash = Group2
- Remove **YELLOW** wire from +VDC and momentarily apply to +VDC to change groups.
  - Lighthoods of the same Group will flash together.
  - Lighthoods 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 **YELLOW** wire to +VDC:
- Once for the next pattern.
  - Quick three times to FP#1. (see flash pattern chart)

### Mounting Orientation:

Orient the lighthood according to the mounting style purchased.

#### ▼ Horizontal Mount



#### ▼ Vertical Mount



### Flash Pattern

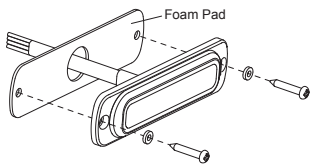
1	Double	[R65]*	11	Quint	[SAE]	21	Triple	(split)
2	Single	[2Hz]	12	Mega		22	Quad	(split)
3	Triple	[2Hz]	13	Giga		23	Quint	(split)
4	Quad	[2Hz]	14	Ultra	[SAE]	24	Mega	(split)
5	Random		15	Single-Quad		25	Giga	(split)
6	Steady		16	Single H/L		26	Ultra	(split)
7	Single	[SAE/CA13]	17	Single-Triple-Quint		27	Single-Quad	(split)
8	Double	[SAE]	18	Half-Steady-Half-Double	(split)	28	Single H/L	(split)
9	Triple	[SAE]	19	Single	(split)	29	Single-Triple-Quint	(split)
10	Quad	[SAE]	20	Double	(split)			

\* Actual approval will be based on the model purchased.

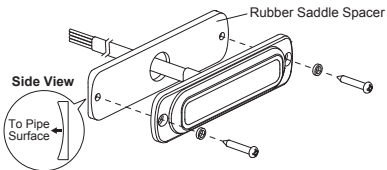
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## Installation

### Screw mount with the foam pad

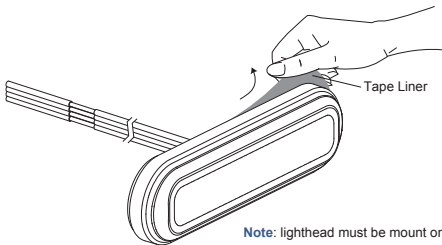


### Screw mount with the rubber saddle spacer



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 pad or spacer and the wire passage hole. Secure the lighthead by using the screws provided.

### Quick mount



**Note:** lighthead must be mount on the flat surface.

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 provided. (or 50:50 mix of isopropyl alcohol and water)
3. Remove the tape liner from the tape.
4. Apply the lighthead to the surface and press it firmly for 30 seconds.
5. Full adhesion and bonding will be achieved after 72 hours at room temperature.