

# LED FLUSH MOUNT KIT USER MANUAL

12-24VDC

## WIRING

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

To +VDC for Warning Mode (fuse @ 3A) ..... **RED**

Default Flash Pattern – FP#1 Double [2Hz]

To +VDC for Cruise Mode (fuse @ 3A) ..... **GREEN**

For Low Power Operation ..... **WHITE**

Apply +VDC to **WHITE** wire while **RED** wire is activated for Low Power Operation.

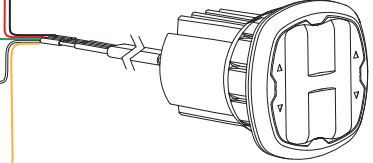
Do not use this function wire with lighthead that are only ECE R65 Class 1 approved.

For Synchronization and Flash Pattern ..... **YELLOW**

Connect **YELLOW** wires of all lighthead together for synchronization.

(All lighthead should be set to the same Flash Pattern.)

**NOTE:** When arranging lighthead to comply with ECE R65 CAT. "HT", all units must be synchronized simultaneously.



### ⚠ IMPORTANT

As long as the efficiency of the special warning lamp is to be secured all around the vehicle, it is the obligation of the installer to maintain detection of the failure of a part of a special warning system on the vehicle.

## OPERATION

### For Simultaneous or Alternating Flash

- Power up the unit by applying +VDC to **RED** and **YELLOW** wires simultaneously to enter *GROUPING MODE*; lighthead will display short flashes in:
  - Single flash = Group 1
  - Double flash = Group 2
- Remove **YELLOW** wire from +VDC then momentarily apply +VDC again to change Groups:
  - Lighthead of the same Group will flash together.
  - Lighthead of different Groups will flash alternately.
- Save and Exit the *GROUPING MODE* by powering off the lighthead.

### For Flash Pattern Selection

While in the Warning Mode, momentarily apply +VDC to **YELLOW** wire:

- once to next pattern
- quickly three times to FP#1

### FLASH PATTERNS

|   |             |             |    |                     |       |
|---|-------------|-------------|----|---------------------|-------|
| 1 | Double      | [R65*]      | 10 | Quad                | [SAE] |
| 2 | Single      | [2Hz]       | 11 | Quint               | [SAE] |
| 3 | Triple      | [2Hz]       | 12 | Mega                |       |
| 4 | Quad        | [2Hz]       | 13 | Giga                |       |
| 5 | Random      |             | 14 | Ultra               | [SAE] |
| 6 | Steady EF** |             | 15 | Single-Quad         |       |
| 7 | Single      | [SAE][CA13] | 16 | Singe H/L           |       |
| 8 | Double      | [SAE]       | 17 | Single-Triple-Quint |       |
| 9 | Triple      | [SAE]       |    |                     |       |

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

\*\* For use with external flasher controller.

# INSTALLATION

## Pop-n-Lock

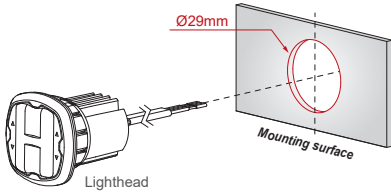
### 1 Surface Mount:

Drill an 1.14" (29mm) cut-out on the mounting surface, and install the unit onto the cut-out.

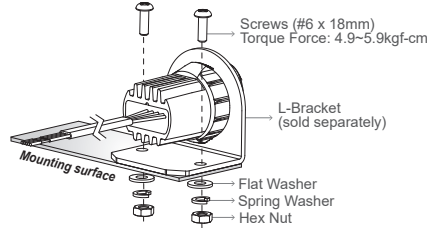
### L-Bracket Mount (sold separately):

Secure L-bracket onto the mounting surface with provided screws, and install the unit onto the Bracket.

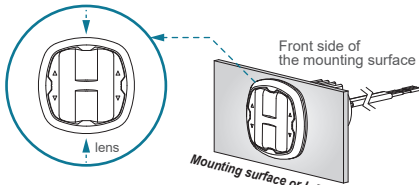
**NOTE:** To install more efficiently, use a rotating motion to guide the LIGHTHEAD when installing onto the cut-out.



or

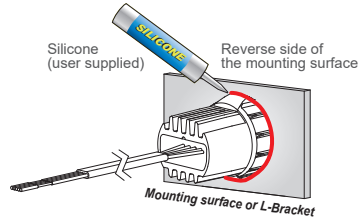


### 2 Ensure that the optical stripes are aligned vertically.



**NOTE:** Optical stripes must align vertically to meet regulation.

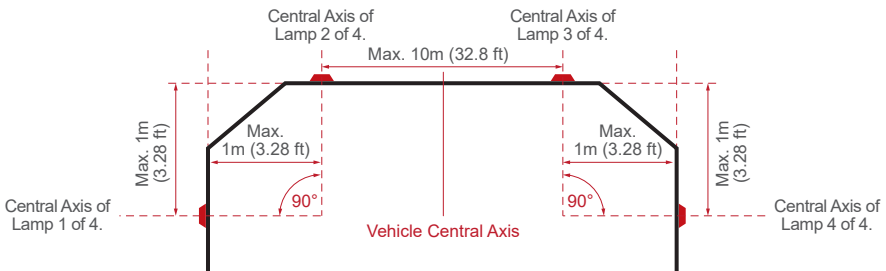
### 3 Where necessary, apply silicone around the reverse side to prevent from rotating.



## Approved Mounting Position

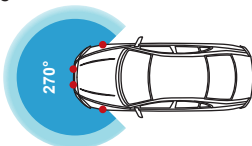
The lighthoods must be set up in a set of four units to meet ECE R65 CAT. HT. Follow the graph and position the lighthouse within the required distance and angle to fulfill the approval requirement.

### Category 'HT' -270° Warning Coverage



### Application Examples

#### Front of the Vehicle



#### Rear of the Vehicle

