

**⚠ WARNING**

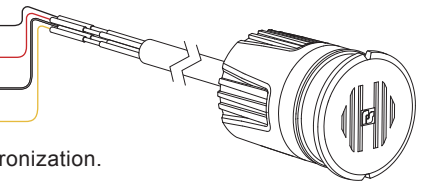
To properly install this light, you must have a good understanding of automotive procedures and systems, along with proficiency in the installation and use of safety warning equipment. Before installing this light, refer to the unabridged instructions for it (doc. no. 25500119), which are available online at [www.fedsig.com](http://www.fedsig.com). Print the online document and provide copies to the end users of this light and to the personnel who will service this light.

# LED FLUSH MOUNT KIT USER MANUAL

12-24 VDC

## WIRING

To Chassis Ground: ..... **BLACK**  
 To +VDC for Warning Color 1 (fuse @ 1A): ..... **RED**  
 To +VDC for Warning Color 2 (fuse @ 1A): ..... **WHITE**  
 For Synchronization and Flash Pattern: ..... **YELLOW**  
 Connect **YELLOW** wires of all lighthoods together for synchronization.  
 (All lighthoods should be set to the same Flash Pattern)



## OPERATION

### For Flash Pattern Selection:

To select a flash pattern, momentarily apply **YELLOW** wire to +VDC:

- Once for next pattern
- Quick three times to Flash Pattern 1. (Refer to Flash Pattern chart)

### For Simultaneous or Alternating Synchronization:

Each unit has 3 selectable groups:

①MASTER (default), ②SLAVE-SYNC, and ③SLAVE-ALT.

If Synchronized Flashing is not required, simply select the desired flash pattern.

For Synchronized Flashing, only one unit must be set to ①MASTER mode, while all the other units are set to ②SLAVE-SYNC or ③SLAVE-ALT mode:

1. Enter **GROUP SELECTION** by applying +VDC to **WHITE**, **YELLOW** and **RED** wires simultaneously.
2. Once in **GROUP SELECTION**, the unit will be steady-burn in low power and pulse in high power:
  - Single pulse = ①MASTER (default)
  - Double pulse = ②SLAVE-SYNC, units flash simultaneously with the ①MASTER unit.
  - Triple pulse = ③SLAVE-ALT, units flash alternately with the ①MASTER unit and all other ②SLAVE-SYNC units.
3. Remove **YELLOW** wire from +VDC and momentarily apply to +VDC to change MODE.
4. Exit **GROUP SELECTION** by:
  - (a) Applying +VDC to **YELLOW** wire for over 3 seconds, or
  - (b) Disconnecting all power.

Flash Pattern	
1	Triple 92.3
2	Triple 90
3	Single 122
4	Single 75
5	Single 90
6	Single 113
7	Single 73
8	Double 73
9	Triple 73
10	Quad 73
11	Quint 73
12	Mega 73
13	Ultra 73
14	Single Quad
15	Single H/L
16	Steady All
17	Random

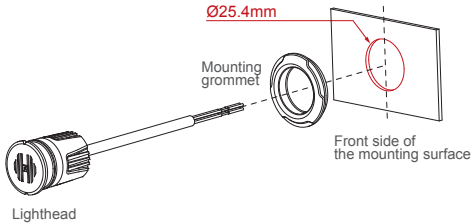
### For Color Mode Selection:

1. Enter *MODE SELECTION* by applying +VDC to **YELLOW** and **RED** (or **WHITE** and **YELLOW**) wires simultaneously, displaying 3 selectable colors by sequence.
  - Single Color flashing Color 1 = Color 1
  - Single Color flashing Color 2 = Color 2
  - Color 1 alternating Color 2 = Dual Color (Color 1 alt. 2)
2. Remove **YELLOW** wire from +VDC and momentarily apply to +VDC to change Color Mode.
3. Exit *MODE SELECTION* by:
  - (a) Applying +VDC to **YELLOW** wire for over 3 seconds ,
  - (b) Disconnecting all power.

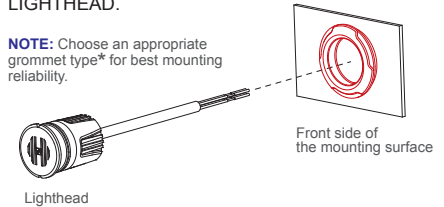
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## INSTALLATION - FLUSH MOUNT

- 1** Select a mounting location and drill a 1" (25.4mm) cut-out.

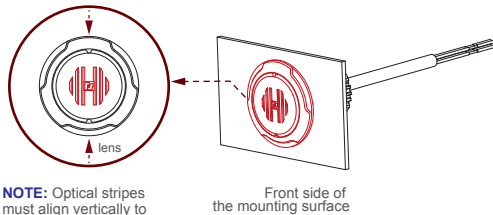


- 2** From the front, install the appropriate MOUNTING GROMMET onto the cut-out, and insert the LIGHTHEAD.



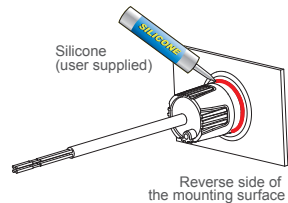
**NOTE:** Choose an appropriate grommet type\* for best mounting reliability.

- 3** Ensure that the optical stripes are aligned vertically.



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

- 4** Where necessary, apply silicone around the reverse side to prevent from rotating.



- \* (2) mounting grommets are included for various material thicknesses.  
Standard Grommet : Surface thickness @0.8~2.0mm  
Thick Grommet : Surface thickness @2.7~3.9mm