

SINGLE LED LIGHTHEAD

12-24VDC

WIRING

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

To -VDC or Chassis Ground..... **BLACK**

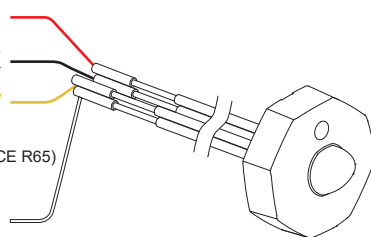
For Synchronisation and Flash Pattern..... **YELLOW**

Connect **YELLOW** wires of all lightheades together for synchronisation.

(All lightheades should be set to the same Flash Pattern and synchronised to comply with ECE R65)

Function Wire - OFF Override (default) or
Cruise Mode..... **WHITE**

Apply this wire to +VDC with **RED** wire for OFF Override or Cruise Mode.



OPERATION

For Flash Pattern Selection:

While activating a warning mode, momentarily apply **YELLOW** wire to +VDC:

- Once to the next pattern.
- Quick three times to the default flash pattern.

For Simultaneous or Alternating Synchronisation:

1. Apply +VDC to RED and **YELLOW** wires simultaneously then remove **YELLOW** wire to enter *SETTING MODE*; the lighthead will display short flashes:
 - Single flash = Group 1 • Double flash = Group 2
2. To change Group, momentarily apply **YELLOW** wire to +VDC.
 - Lightheades of the same Group will flash together.
 - Lightheades of the different Group will flash alternately.

Note: To comply with ECE R65, 4 units need to be synchronised and set to the same group.

3. Save and exit *SETTING MODE* by disconnecting all power.

Function Wire Setting - OFF Override or Cruise Mode:

1. Apply +VDC to **RED**, **WHITE** and **YELLOW** wires simultaneously then remove just the **YELLOW** wire to enter *FUNCTION WIRE SETTING*; the lighthead will display short flashes:
 - Triple flash = OFF Override (default) • Quad flash = Cruise Mode
2. To change Function, momentarily apply **YELLOW** wire to +VDC.
3. Save and exit *FUNCTION WIRE SETTING* by disconnecting all power.

Reset to Factory Default Settings:

1. Apply +VDC to **RED** and **YELLOW** wires simultaneously then remove **YELLOW** wire to enter *SETTING MODE*.
2. Apply to +VDC for more than 5 seconds. The lighthead will display fast short flashes to signify restoring successfully.
3. Save and exit *SETTING MODE* by disconnecting all power.

FP#	Flash Pattern	
1	Double	[R65]*
2	Single	[2Hz]
3	Triple	[2Hz]
4	Quad	[2Hz]
5	Random	
6	Steady EF**	
7	Single-Quad	
8	Single H/L	
9	Single-Triple-Quint	

* Actual approval will be based on the model ordered.

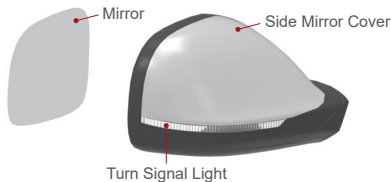
** For use with external flash controller.

INSTALLATION (Covert Mount for Side Mirror with Turn Signal Light)

IMPORTANT:

The disassembling method of the original vehicle parts will be different based on each vehicle manufacturer and model, please refer to original vehicle manufacturer's manual before installation.

1



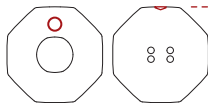
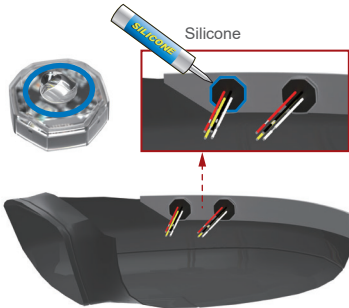
1. Remove the front mirror using a plastic pry tool.
2. Remove the side mirror cover by pushing the clips or loose screws from inside to access the harness assembly.
3. Disconnect the wire harness and disassemble the turn signal light assembly from the side mirror unit.

3



Test the lighthouse before reassembling the side mirror cover and mirror back.

2



Ensure the dented mark is oriented upward for best viewing angle.

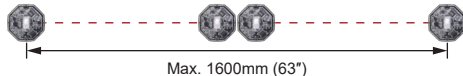
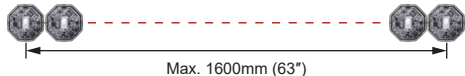
1. Drill an 8.5mm hole with 4mm depth on the inner lens or reflector of the turn signal light assembly.
2. Apply silicone and fix the lighthouse into the assembly.
3. Assemble the turn signal light back into side mirror set.
4. Route lighthouse's wire into vehicle chassis and connect the wires to the switch accordingly.

Note: Ensure the mark is oriented upward for correct optical distribution.

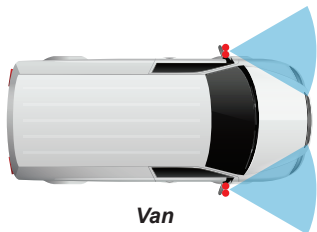
APPROVED MOUNTING POSITION

The lighthouses must be set up in a set of four units to meet ECE R65 Cat. X. (Amber, Blue, Red)

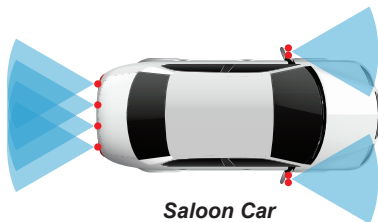
Follow the diagram and position the lighthouses within the maximum separation distance to fulfill the approval requirement.



Application Examples



Van



Saloon Car