



EVP “Chameleon” Rubber Fend Off Plate

Installation Guide

Contents:

Chameleon Fend off plate single and dual colour SoundOff Fascia 4 lights.

Tools Required:

- Electric Drill
- Drill bit
- Screwdriver
- Spirit level
- 4 x Long Self tapping screws included

INSTALLATION:

The installation of the unit is to be undertaken by a competent person with automotive electrical experience. Please follow all the instructions to ensure correct operation and to avoid damage to the product and vehicle, incorrect installation can void any warranty.

BEFORE INSTALLATION:

- Remove the licence plate from the front of the vehicle and clean both the plate and the vehicle surface.

Licence Plate Preparation:

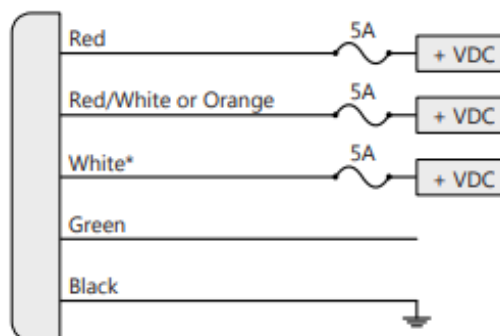
- If no mounting holes are on the number plate, please drill two evenly spaced pilot holes to affix the number plate to the fend off plate. If no OEM holes are present, please drill as required. Please consider wiring position to the rear of the fend off plate to avoid damage. The wiring to the rear can run top or bottom.
- Align the number plate to the front of the fend off plate, please note the serial number on the reverse denotes the top of the plate and align centrally. Hold firm and mark pilot holes to the front of the plate through to the fend off plate. Remove the licence plate and drill the pilot holes.

Mounting Surface Preparation:

- Align the fend off plate and mark the central position of the plate to the centre of the mounting point on the vehicle.
- Using a spirit level ensure that the plate is level and central.
- Hold the fend off plate firm and mark the four or two mounting holes depending on the installation method.
- Drill pilot holes using a fine drill bit on the vehicle.
- Align the fend off plate to the mounting holes and using a stainless steel self tapping screw and washer, included, screw the plate to the vehicle. Please note due to the size of the mounting holes on the fend off plate you do have some movement to make it level.
- Affix the licence plate to the fend off plate using self tapping screws, included.

WIRING:

Wire Color	Function
Red	Primary Function Activation
Red/White or Orange	Secondary Function Activation
White to Power*	Function Modifier (except 4x2) Tertiary Function Activation (4x2 only)
White to Ground	Programming
Black	Connect to Ground
Green to other Greens**	Sync 2 (up to 24 lights)
Green to Ground	bluePRINT/External Control Mode



FLASH PATTERN CHART:

FLASH PATTERNS								
S.A.E. LIGHTS				E.C.E. LIGHTS		S.A.E. / E.C.E. LIGHTS		
Pattern #	Pattern Name	SAE Compliant	CA XIII Compliant	Pattern Name	ECE Compliant	Pattern Name	SAE Compliant	ECE Compliant
1	Quint	x		ECE Single Flash*	x	Quint	x	
2	Warp			ECE Double Flash*	x	Warp		
3	Inter-Cycle			ECE Triple Flash*	x	Inter-Cycle		
4	Double	x				Double	x	
5	Quad	x				Quad	x	
6	Power Pulse	x				Power Pulse	x	
7	Road Runner	x	x			Road Runner	x	
8	Q-Switch	x				Q-Switch	x	
9	Steady Burn Road Runner Simultaneous - Steady Burn Alternate - Road Runner	x	x			Steady Burn Road Runner Simultaneous - Steady Burn Alternate - Road Runner	x	
10	Steady Burn Quad Simultaneous - Steady Burn Alternate - Road Runner	x	x			Steady Burn Quad Simultaneous - Steady Burn Alternate - Road Runner	x	
11	Quad 2	x				Quad 2	x	
12	Double 2	x	x			Double 2	x	
13	Random 1					Random 1		
14	Random 2					Random 2		
15	Quad Pulse-Pop	x	x			Quad Pulse-Pop	x	
16						ECE Single Flash*		x
17						ECE Double Flash*		x
18						ECE Triple Flash*		x

*ECE patterns are only compliant when flashing a single color.

TECHNICAL SPECS PER LIGHT HEAD:

TECHNICAL SPECIFICATIONS					
		Input Voltage:		9-32Vdc	
4" CURRENT CONSUMPTION (Amps)					
		12.8Vdc		25.6Vdc	
		Peak	Average	Peak	Average
Red		0.62	0.36	0.31	0.18
Amber, Blue, Green or White		0.90	0.60	0.45	0.30
3" CURRENT CONSUMPTION (Amps)					
		12.8Vdc		25.6Vdc	
		Peak	Average	Peak	Average
Red		0.62	0.26	0.31	0.13
Amber, Blue, Green or White		0.90	0.38	0.45	0.19
AFTER POWER IS ON, touching the WHITE wire to the ground will allow you to change various settings on the module.					

Operation:

Units are wired so as both lights come on simultaneously to give the maximum warning, we do not recommend the lights to work in alternating mode.

If you have other SoundOff Signal Fascia or supported light bars, you can connect the GREEN wires together to enable full synchronisation.

Flash Pattern Selection:

To change the flash pattern, hold the white wire momentarily to ground for no more than 1 second. The flash pattern will advance to the next pattern.

Low Power Mode:

By applying the WHITE wire to +VDC when the lights are powered normally, the lights will go into low power mode, NIGHT MODE, which is 50% of the normal brightness. This is in accordance with ECER65 regulations.

Web Site Link to product information.

