

# RAPTOR™

**EXPLOSIVE POWER. EXTREME ANGLE.**

## RAPTOR SINGLE SURFACE MOUNT LIGHT

ERPT1SSMDB(x)



Please see reverse for  
Technical Specifications

### Important Information:

- Warning devices are strictly regulated and governed by Federal, State and Municipal ordinances. These devices shall be used ONLY on approved vehicles. It is the sole responsibility of the user of these devices to ensure compliance.
- DO NOT install this product or route any wires in the Air Bag Deployment Zone. Refer to your vehicle Owner's Manual for the location of any air bag deployment zones.
- DO NOT connect this device to a strobe power supply. This product is self-contained and does not require an external power supply.

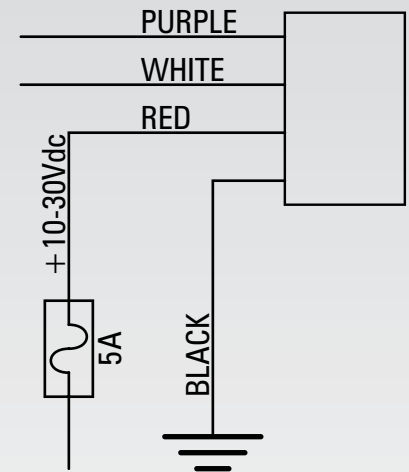


### INSTALLATION:

- 1) Determine a clean, flat location on the vehicle to mount the Raptor Single Surface Mount Light.
  - 2) Using the housing as a guide mark the centers of the outside hole positions and drill appropriate pilot holes. The gasket may be used if care is taken not to stretch it. Note: the holes will be 105.3mm on center if properly located.
  - 3) Drill a  $\varnothing 1/2"$  (13mm) hole exactly half way between the two pilot holes. Note: this hole must be free of burrs and sharp edges to prevent damage to the wires.
  - 4) Make electrical connections.
  - 5) Place gasket over wires and install light by screwing unit to mounting surface.
- CAUTION: DO NOT OVERTIGHTEN.**

### OPERATION:

- 1) Connect RED wire 10-30Vdc and BLACK wire to ground.
- 2) Connect PURPLE wire to 10-30Vdc for Cruise light.
- 3) To change pattern momentarily touch WHITE wire to ground.



### WIRE HOOK-UP TABLE

WIRE COLOR:	CONNECT TO:
RED	+ 10-30Vdc
BLACK	Ground (-)
WHITE	ID/Pattern Select
PURPLE	Cruise

**⚠ WARNING**  
This product contains high intensity LED devices. To prevent eye damage, DO NOT stare into the light beam at close range.

To review our Limited Warranty Statement & Return Policy for this or any SoundOff Signal product please visit our website at [www.soundoffsignal.com](http://www.soundoffsignal.com) and select the "Warranty & Returns" link along the left column of our home page. If you have questions regarding this product please contact Technical Services, Monday - Friday, 8 am to 5 pm at 1.800.338.7337, press #4 to skip the automated message. Questions or comments that do not require immediate attention may be emailed to [techsupport@soundoffsignal.com](mailto:techsupport@soundoffsignal.com).

1.800.338.7337. / [www.soundoffsignal.com](http://www.soundoffsignal.com) / Thank you for trusting us with your safety!



## RAPTOR SINGLE SURFACE MOUNT LIGHT

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### RAPTOR Sync Configuration Instructions IMPORTANT! A MAXIMUM OF 4 SINGLE LIGHTS CAN BE SYNCED TOGETHER

1. Set ID#
  - a. Identify which pattern and sequence you want and look up ID# settings at right.
  - b. Connections
    - i. RED: +12Vdc
    - ii. WHT: +12Vdc (Note: you will need to disconnect after power is applied)
    - iii. BLK: Ground
  - c. Apply power to unit
  - d. Without disconnecting power from unit, disconnect WHT wire
  - e. Momentarily connect WHT to Ground to change ID #
    - i. Identify ID# by number of sequential flashes
    - ii. Possible ID#s: 1 – 4
  - f. Disconnect power from unit to get out of ID mode.
2. Set Pattern
  - a. Reapply power to units.
  - b. Once all Light Head ID#s are configured, make sure all lights are flashing the same pattern
  - c. Connect corresponding colored wires of all units together: RED to RED, etc.
  - d. Change Pattern
    - i. Momentarily connect WHT wires to Ground
    - ii. Observe pattern change on all lights connected
  - e. Insulate all wires by taping with electrical tape
3. Connect Master Switch for Application
  - a. IMPORTANT! Ensure WHT Pattern/Sync Wires are tied together

TECHNICAL SPECIFICATIONS	
Overall Dimensions:	4.98"(126.6mm)L x 2.75"(70.1mm)W x 1.39"(35.3mm)D
Flash Patterns:	6 flash patterns
Input Voltage Range:	10 - 30 Vdc
Current Consumption:	less than 2 amps
# of LEDs:	8 Generation 3 LEDs
Light Sync Technology:	Yes
Operating Temperature:	-40° to +65° C

### 1 LIGHT

Single Light Operation: Follow the ID Selection steps and set the RAPTOR to ID#1 if it is not already. NOTE: Use Patterns 1-3.

### 2 LIGHTS

**ALTERNATING:** To obtain Alternating patterns, follow the ID SELECTION steps and set one RAPTOR to ID#1 and the other to ID#3. Then proceed to the PATTERN SELECTION steps. NOTE: Use Patterns 4-6.

**SIMULTANEOUS:** To obtain Simultaneous patterns, follow the ID SELECTION steps and set both RAPTOR lights to ID#1. Then proceed to PATTERN SELECTION steps. NOTE: Use Patterns 1-3.

Flash Patterns	
Simultaneous Patterns	FPM (Flashes per Minute)
1. Single	125
2. Double	125
3. Triple	123
Alternating Patterns	FPM (Flashes per Minute)
4. Single	62
5. Double	62
6. Triple	61

