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4 ON/OFF + 2 Momentary Switch Box

Manual ID: PIM-00000051-V002

IMPORTANT: READ CAREFULLY BEFORE ASSEMBLY AND USE.

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems, and procedures.
- If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.
- If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro®, clean the mounting surface and dry thoroughly prior to apply adhesive for maximum adhesion.
- Do not attempt to activate or control this device in a hazardous driving situation.
- Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the
- vehicle.
  This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.

Mounting:

CAUTION! Permanent mounting of this product will require drilling. It is absolutely necessary to make sure that no other vehicle components could be damaged by this process. Check both sides of the mounting surface before starting. If damage is likely, select a different mounting location.

Bail-strap mount:

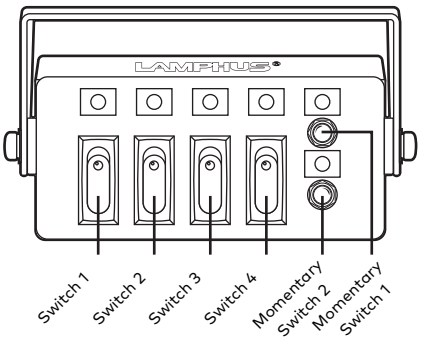
1. Position the bail strap against the desired mounting location.
2. Scribe the area where the mounting holes would be drilled.
3. Proceed to drilling of the surface for the mounting screws. Make sure no vehicle component could be damaged during this process.
4. Secure the bail strap to the mounting surface with the included screws.
5. Secure the switch box unit to the bail strap using the included screws and washer. Refer to mounting diagram.

Wiring:

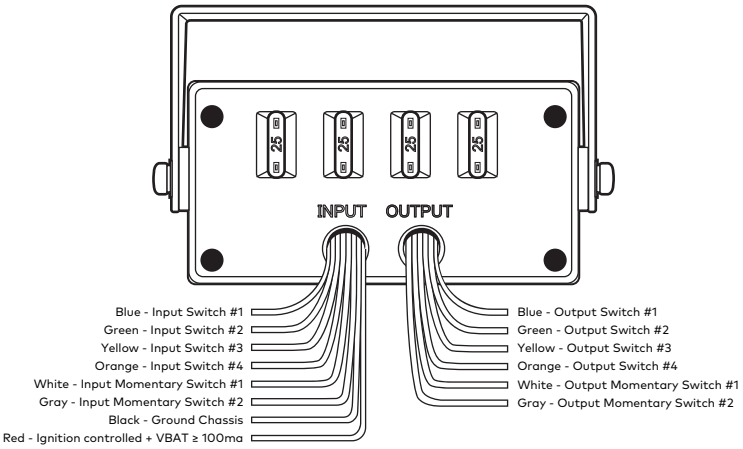
IMPORTANT! Remove the fuses prior to performing any wiring work. Note that if the switches are to be used in-line with the ground wires for ground activation, the LED indicator light on the switch will not illuminate.

RED - Supplies power to the amber LED back-lit light. Wire is to be connected to any ignition controlled +VBAT power source capable of supplying at least 100 ma of load. If this red wire is not connected to a positive power source, the amber LED back-lit light will still engage as soon as one of the switch is powered on.
BLACK - To Chassis Ground
BLUE - Input and output for rocker switch # 1.
GREEN - Input and output for rocker switch # 2.
YELLOW - Input and output for rocker switch # 3.
ORANGE - Input and output for rocker switch # 4.
WHITE - Input and output for momentary switch # 1.
GRAY - Input and output for momentary switch # 2.

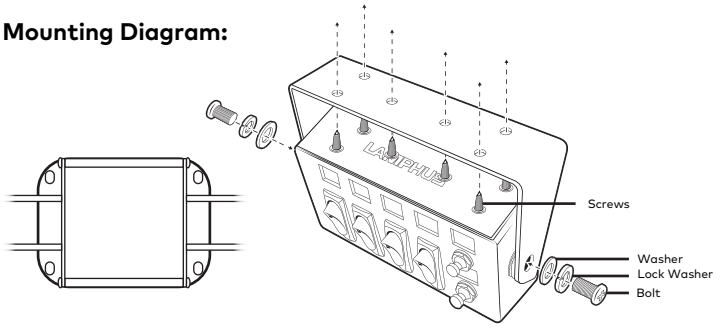
Switch Layout:



Wiring Diagram:



Mounting Diagram:



Optional One-Way Diode Module

A one-way diode comes into play when a particular equipment causes power feedback to other equipment. The one-way diode ensures electricity only flow one way, and thus eliminates possible feedback. As an example, if turning on switch # 1 inadvertently activates the equipment connected to switch # 2 (turning the LED indicator on the switch "on"), there may be a fault in the wiring work. As opposed to redoing the entire wiring circuitry, it may be easier to add the one-way diode between the equipment, power source, or switch that is being powered on inadvertently to make sure that no power feedback is being sent from switch # 1 and its connected equipment to other parts of the vehicle.

There are two one-way diodes in each module. Each rated at 15A @ 12V DC.
RED - Power Input
YELLOW - Power Output

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