Mounting

1. Place the unit against the mounting surface.
2. Mark the areas where the mounting holes are to be drilled. Confirm that
   no vehicle 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.
3. Route the wires through the hole(s) in the gasket and through the wire
   passage hole(s) in the mounting surface. Secure the lighthead to the
   mounting surface using the hardware provided.

Wiring

See illustration below for wiring information

WARNING! All customer supplied wires that connect to the positive
(+) terminal of the battery must be sized to supply at least 125% of
the maximum operating current and FUSED “at the battery” to carry
that load. DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!

Operation

Scan-Lock™ - Each flash pattern is available in two modes; Phase 1 &
Phase 2. The patterns are controlled with the WHT/VIo wire.

To advance to the next pattern, apply +VDC to the WHT/VIo wire for
less than 1 second. To cycle backwards, apply +VDC for more than 1 second.

To reset to the factory default pattern, turn off power to the lighthead
and while applying +VDC to the WHT/VIo, turn the lighthead back on. Continue
to apply voltage for 5 seconds.

Lightheads configured to display the Phase 1 mode of a pattern will flash
simultaneously. Any lightheads configured to display the Phase 2 mode will
alternate with any Phase 1 lightheads with the same pattern.

Available Scan-Lock™ Patterns:

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<th>Regular Flash Patterns:</th>
<th>SYNc Flash Patterns:</th>
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Sync - To sync two lightheads, configure both lightheads to display
the same Phase 1 pattern. With the power off, connect the GREY wires from
each lighthead together. When the lightheads are activated, their patterns
will be synchronized. To configure the two lightheads to alternate their
patterns, advance the pattern of either lighthead to the Phase 2 mode of the
current pattern.

To understand how to use the sync feature with more than two lightheads,
the principles will be applied to a sample system consisting of 4 lightheads
mounted on the rear, driver-side and 2 mounted on the rear, passenger-side.
With all the wiring complete, turn on all 4 lightheads. As shipped from factory,
the lightheads will all display SignalAlert™ Phase 1. To configure one side
to alternate with the other side, change the pattern for either the passenger
or driver side to Phase 2 mode for that pattern.

Safety First

This document provides all the necessary information to allow your Grote product to be properly and safely installed. Before beginning the
installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important
information is contained herein that could prevent serious injury or damage.

- Proper installation of this product requires the installer to have a
good understanding of automotive electronics, systems and
procedures.
- 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.
- 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.
- If this product uses a remote device to activate or control this
product, make sure that this control is located in an area that allows
both the vehicle and the control to be operated safely in any driving
ccondition.
- Do not attempt to activate or control this device in a hazardous
driving situation.
- This product contains high-intensity LEDs. Do not stare directly
into these lights. Momentary blindness and/or eye damage could
result.
- Use only soap and water to clean the outer lens. Use of other
chemicals could result in premature lens cracking (crazing) and
discoloration. Lenses in this condition have significantly reduced
effectiveness and should be replaced immediately. Inspect and
operate this product regularly to confirm its proper operation and
mounting condition. Do not use a pressure washer to clean this
product.
- WARNING! All customer supplied wires that connect to the positive
(+) terminal of the battery must be sized to supply at least 125% of
the maximum operating current and FUSED “at the battery” to carry
that load. DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!
- Failure to follow these precautions and instructions could result in
damage to the product or vehicle and/or serious injury to you and
your passengers!

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