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Maintenance Bureau Specification 2001-10
for
LED Surface Mount
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This document describes the features and specifications for a “LED Surface Mount”.

1.0 Features:

- 1.01 Unit shall meet or exceed current SAE applicable standards.
- 1.02 Unit shall operate at 12 VDC.
- 1.03 Unit shall be encapsulated for heavy-duty vibration and moisture resistance with a minimum wire length of 6” for power, communication, and control.
- 1.04 Unit shall contain sufficient LEDs and wide angle optics lens to provide visibility when viewed at a deflection angle of +/- 30-degrees from head on.
- 1.05 Unit shall contain a minimum of eight (8) built-in standard, flash patterns, that are easily changeable when unit is installed.
- 1.06 Unit shall display either yellow(amber) or white.
- 1.07 Unit may have the option of having a split display with both yellow(amber) and white.
- 1.08 Unit shall contain a polycarbonate lens in either clear or amber, depending on the use and design.
- 1.09 Unit shall include all related material required for the installation of the unit based on the mounting option selected:
 - a. **Bezel/Flange:** Mounts directly to surface, requiring a small hole for wiring and attaching.
 - b. **Grommet:** Mounts into the surface, requiring a hole just larger than the unit.
 - c. **Clip/Bracket:** Allows the unit to mount to non-vertically flat surfaces such as in grills, under bumpers, etc.
- 1.10 Unit shall be capable of coordination with other like units.
- 1.11 Unit shall include one (1) set of installation and operation instructions, in English.

2.0 General:

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- 2.01 Upon award of contract ALDOT may require; 1) independent testing at Awardee's expense to verify specifications have been met or 2) having the Awardee provide a sample unit for review/evaluation that may be returned at the Awardee's expense and direction. Failure to comply shall be grounds for sacrifice of award. Sacrifice of award may not be limited to single line, but rather, the entire group if applicable to contract format.
- 2.02 All successful bidders shall be either an authorized distributor for the manufacturer or the manufacturer of the product line and stock sufficient quantities of new units to remedy warranty and offer accessories and service parts to maintain the needs of the vehicle fleet within seventy-two (72) hours after call.
- 2.03 The model number of the item shall appear on the bid document line.
- 2.04 Bid shall also include documentation such as unit specifications, cut-sheets, certifications, etc. that show item meets this specification. Failure to provide documentation with bid shall disqualify the bid without notice.
- 2.05 The unit specified shall be warranted by the manufacturer, from the date of receipt or installation, to be free of defects of material or workmanship for a period of one (1) year and the LED components shall be warranted for a period of five (5) years. Written proof of this warranty shall be provided with bid.