

# PRODUCT ADVISORY NOTICE

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KEEPING YOU INFORMED OF PRODUCT CHANGES

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**To:** All Customers, Sales Representatives and Distributors

**Date:** February 23, 2006

**Subject:** Update: RoHS Compliance Information for Grayhill Rotary Switches and Mechanical Encoders

**Affected Product Series (Catalog Standards and Custom “YY’s” and “MY’s”)**

**Mechanical Encoders: Series 25, 26, 51, and 71**

**Multi-deck Rotary Switches: Series 08, 09, 42, 43, 44, 53, 54, 57, 59, and 71**

**Single-deck Rotary Switches: Series 19, 24, 50, 51, 56, 75, and 5000**

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This notice serves to provide the Grayhill sales team and customer base with updated information on our progress toward meeting the requirements of the RoHS directive.

- ❑ Zinc and tin-zinc have been identified as alternatives to the cadmium plating currently used on many switch bushings. Grayhill is in the process of qualifying both platings. Test data will be made available on Grayhill’s website ([www.grayhill.com](http://www.grayhill.com)) prior to any product changes.
- ❑ The cadmium plating on brass mounting hardware will be replaced with zinc or tin-zinc plating. Alternatively, the plated brass part may be replaced by one manufactured entirely with stainless steel.
- ❑ Custom products that have terminals plated in tin-lead at the request of the customer will not undergo a terminal plating change. Custom products can be identified by an “MY” or “YY” in the part number.
- ❑ Custom switch assemblies (MY or YY Part Numbers) use tin-lead solder to attach printed circuit boards, flex circuits, or cable assemblies. Grayhill will continue to use tin-lead solder in the processing of these custom assemblies in the future. Customers who wish to change to a lead-free solder are encouraged to contact their Grayhill sales representative.
- ❑ Single-deck mechanical encoders, series 25L, have terminals plated in tin-lead. The terminal plating will change to either precious metal or pure matte tin over a nickel barrier.
- ❑ The cadmium used to make the switch contacts for the 75 series and non-shortening versions of the 50 and 51 series rotary switches will not be removed. The RoHS directive has made cadmium exempt for switch contact applications due to reliability concerns.
- ❑ The Grayhill catalog incorrectly states that series 24, 43, 44, 54 and 5000 have tin / lead terminals. All versions of these switches have tin (with nickel underplate) or silver plated terminals.



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- The “P” style (PC terminals) version of the 42 series multi-deck rotary switch has tin / lead plated terminals. The tin / lead plating will be replaced with pure matte tin over nickel. The standard terminal plating on other versions of the 42 series is silver or tin (with nickel underplate).

Please visit the following link to view the transition schedule for each product series:

<http://www.grayhill.com/RoHS/documents/Bltn1075rev1.pdf>

