

PRODUCT ADVISORY NOTICE

KEEPING YOU INFORMED OF PRODUCT CHANGES

To: Grayhill Customers, Sales Representatives, and Distributors
Date: November 06, 2024
Subject: Sensing Technology Update for High-Resolution Encoders

Please forward this notification to the appropriate person(s) in your organization.

Description of Change

Grayhill is changing the sensing technology used in the high-resolution series of encoders from the current optical technology to Hall-effect technology. This includes encoders in the 61K, 61R, 63K, and 63R series.

The encoders currently use the Kingbright APH1608-LM33 phototransistor and Kingbright APH1608- LM32 LED along with a Fairchild NC7WZ17P6X buffer. The new design will utilize the Monolithic Power Systems MA732 hall sensor.

Reason for Change

The updated Hall-effect design will improve the quality of the encoders in several ways. While foreign contamination inside the encoder with the current optical sensing technology can result in code output failures, the Hall-effect technology is more robust in regards to contamination. Additionally, the Hall-effect technology performs more consistently at higher rotational speeds. The new design also allows for the elimination of piece parts that have become a supply constraint, improving on-time delivery of encoders.

Effective Date

Production orders after January 1st, 2025, will begin transitioning to the new design once the in-process inventory of the existing design parts is consumed.

Action Required

If further information is needed, please contact your Grayhill, Inc. Sales Area Leader for further information.

Part Numbers Affected

61K128	61KS256-025	61R128-080	63KS100	63R256-020
61K128-050	61KS256-040	61R256	63KS256	63R32
61K128-060	61KS256-060	61R256-020	63KS256-060	63RS256
61K128-075	61KS32	61R64	63KY3036	63RS256-060
61K256	61KS32-060	61RS100	63KY3043	63RS64
61K256-060	61KS64-020	61RS128-040	63KY3051	
61K32	61KY3042	61RS128-080	63KY3052	
61K64	61KY3056	61RS256-060	63R128	
61K64-060	61R128	61RS50-025	63R128-080	
61KS256	61R128-060	63K128	63R256	



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