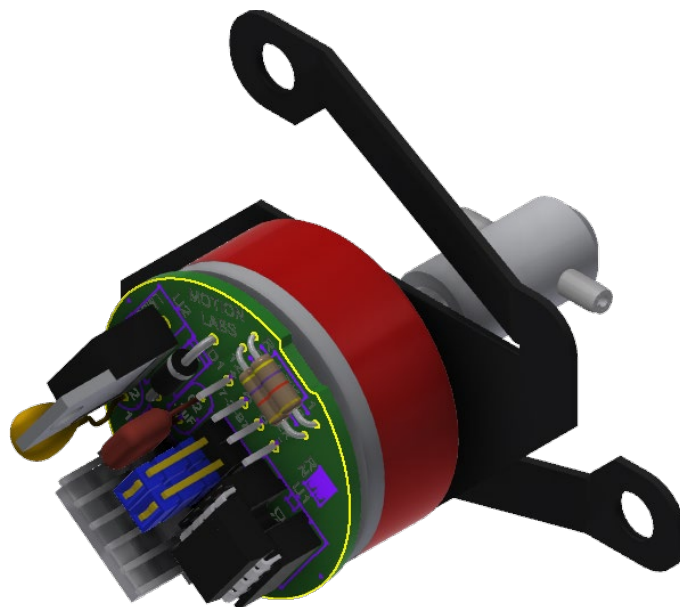


# Product Specification Sheet

## Encoder Assembly, 25 Count, Stage Maker

A-16-003-0007

The SM Encoder is a high-precision incremental rotary encoder designed for integration with Stage Maker SR05 & SR10 w/Limit Flux magnetic limit switch. It supports the Motion Laboratories SoftLimit system by providing accurate position feedback. The encoder features an onboard printed circuit board that generates A/B quadrature signals, delivering 25 cycles per revolution (CPR) of the encoder shaft.



### Features

- Utilizes a Grayhill Series 61K Optical Encoder
- Installs into a with Stage Maker SR05 & SR10 Electric Chain Hoist.
- Two-bit quadrature output
- 100 pulses per Revolution.
- 10 million rotational cycles
- 300 RPM shaft rotation
- Requires 12 VDC input power
- Manufactured in the USA.

### Physical Specifications

|                                           |                        |
|-------------------------------------------|------------------------|
| Dimensions, Height (Total Height w/ gear) | 2.49 in / 63.25 mm     |
| Dimensions, Width                         | 2.36 in / 59.94 mm     |
| Dimensions, Depth                         | 1.5 in / 38.1 mm       |
| Material & Finish, Bracket                | C.R.S. 20 Gauge, Black |
| Marking                                   | N/A                    |

## Electrical Specifications

|                |       |
|----------------|-------|
| Supply Voltage | 12VDC |
|----------------|-------|

## Environmental Specifications

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -40°C to 85°C               |
| Storage Temperature Range   | -55°C to 100°C              |
| Relative Humidity           | 90-95% at 40°C for 96 hours |

## Ratings and Certifications

|                         |                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards / Regulations | This assembly is constructed using UL Recognized components and materials, selected to support compliance with applicable safety and performance requirements when integrated into a properly listed and installed system. |
| Certifications          | N/A                                                                                                                                                                                                                        |

## Drawings and Dimensions

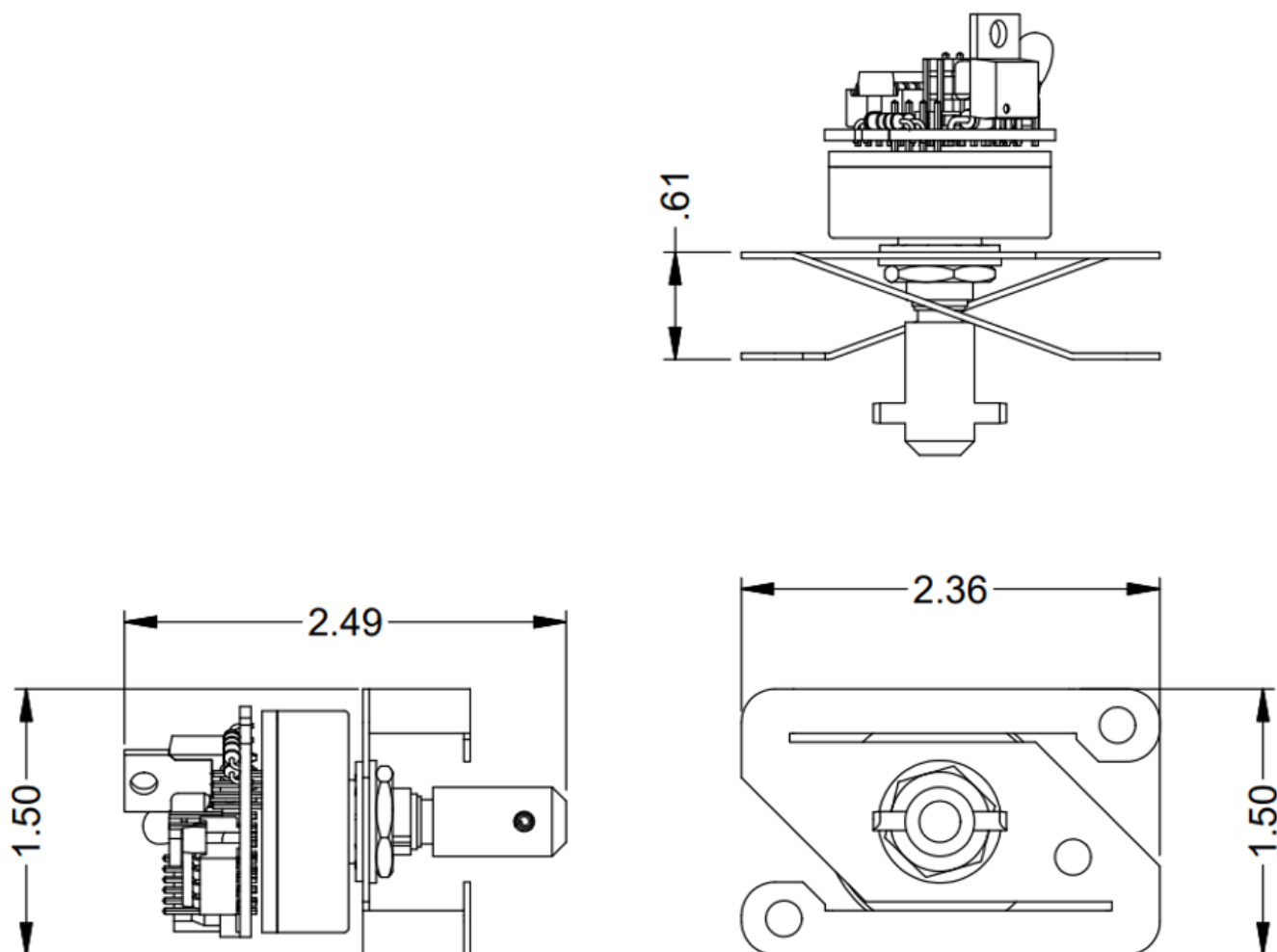


Figure 1 A16-003-0007

## Additional Information

This encoder assembly is intended for use with Stage Maker SR series hoists.

- Gland dome nuts for cable tails – use Installation Kit A-16-003-0111 with 3-ft cable tail.

Ensure the correct installation kit is selected based on the hoist's cable tail configuration, including length and ingress protection rating.