Clockwise rotation, viewed from the motor shaft, results in these waveforms.

**Encoder Waveforms**

- **A**
- **B**
- **Z**

**Motor Waveforms**

- **M1-M2**
- **M2-M3**
- **M3-M1**

**UNGATED ENCODER**

- **H1**
- **H2**
- **H3**

Clockwise rotation, viewed from the motor shaft, results in these waveforms.

**Motor Cable Wiring Code**

- **Output A**: Brown - #28 AWG
- **Output B**: Blue - #28 AWG
- **Output C**: Green - #28 AWG
- **Output Z**: Yellow - #28 AWG
- **Output U**: Violet - #28 AWG
- **Output V**: Brown/White - #28 AWG
- **Output W**: Orange/White - #28 AWG
- **Case Ground**: Black/White - #28 AWG

**Encoder Cable Wiring Code**

- **Motor A**: Brown - #28 AWG
- **Motor B**: Black - #28 AWG
- **Motor C**: Red - #28 AWG
- **Case**: Green - #28 AWG

**Dimensions in Brackets (DUAL) Are in Millimeters**

- **Notes:**
  1. Rotation: Clockwise motor rotation viewing drive end occurs when phase A leads phase B, phase B leads phase C.

**Model #**

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**Motor Leads and Encoder Leads**: 18" min. length.

**Shrink Tubing**: MOTOR LEADS, 18" MIN. LENGTH.

**ENCODER LEADS**: MOTOR LEADS, 18" MIN. LENGTH.

**NOTES:**

- MOTOR LEADS
- ENCODER LEADS
- 18" MIN. LENGTH
- SHRINK TUBING

**Dimensions in Inches**

- **+/- 0.03**
- **+/- 0.010**
- **+/- 0.005**

**Dimensions in Millimeters**

- **+/- 0.8**
- **+/- 0.127**
- **+/- 0.25**

**Material Notice**

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**CAD File:** 31011-013-016.SLDDRW