

0.750" DIAMETER FLANGE MOUNT, SHORT TRAVEL



Conical Hat Shown

Standard Characteristics/Ratings:

ELECTRICAL RATINGS:

| | |
|--------------------------------------|--|
| Insulation Resistance: | 100MΩ min @ 50VDC |
| Null Temp Coefficient: | +/- 0.04% of full scale per degree C max |
| Hysteresis: | +/- 0.5% of full scale within 1 second after release |
| Sensitivity Temp Coefficient: | +/- 0.2% full scale per degree C |
| Resolution: | Infinite |
| Seal: | Enclosure dusttight per MIL-PRF-8805 Design 2 |
| Operating Force: | 3.0 lbs. |
| Operating Temp Range: | -40°C to +71°C |
| Storage Temp Range: | -55°C to +85°C |
| Travel: | To mechanical stop 0.05 inches max |

MATERIALS:

| | |
|-------------------|--|
| Button: | Thermoplastic or anodized aluminum |
| Terminals: | Tin plate over copper plate over brass |
| Wire: | MIL-W-16878/4, 12 inches min, 24 AWG |
| Hardware: | None provided |



J2-S1 PART NUMBER CODE



| EXCITATION VOLTAGE TABLE | | | | | | |
|--------------------------|--------------------------------|--|--------------------------------|---|--|---|
| Circuit Configuration | Excitation Voltage (Units VDC) | Sensitivity Until Stop (Units VDC/lb. +/- 20%) | Max Output at Stop (Units VDC) | Null Output at 25°C Bipolar (Units VDC) | Null Output at 25°C Supply to Ground (Units VDC) | Full Scale Travel Cycles (Units x 10 ⁶) |
| B1 | +/- 12.0 | +/- 0.45 | +/- 1.40 | +/- 0.12 | | 0.2 |
| G1 | +24.0 | +/- 0.45 | +/- 1.40 | | 12.0 +/- 0.12 | 0.2 |
| B2 | +/- 10.0 | +/- 0.45 | +/- 1.40 | +/- 0.12 | | 0.2 |
| G2 | +20.0 | +/- 0.45 | +/- 1.40 | | 10.0 +/- 0.12 | 0.2 |
| B3 | +/- 7.5 | +/- 0.45 | +/- 1.40 | +/- 0.10 | | 0.3 |
| G3 | +15.0 | +/- 0.45 | +/- 1.40 | | 7.5 +/- 0.10 | 0.3 |
| B4 | +/- 6.0 | +/- 0.45 | +/- 1.40 | +/- 0.10 | | 0.2 |
| G4 | +12.0 | +/- 0.45 | +/- 1.40 | | 6.0 +/- 0.10 | 0.2 |
| B5 | +/- 6.0 | +/- 0.33 | +/- 1.03 | +/- 0.06 | | 1.0 |
| G5 | +12.0 | +/- 0.33 | +/- 1.03 | | 6.0 +/- 0.06 | 1.0 |
| B6 | +/- 5.0 | +/- 0.33 | +/- 1.03 | +/- 0.05 | | 1.0 |
| G6 | +10.0 | +/- 0.33 | +/- 1.03 | | 5.0 +/- 0.05 | 1.0 |
| B7 | +/- 5.0 | +/- 0.25 | +/- 0.78 | +/- 0.05 | | 2.0 |
| G7 | +10.0 | +/- 0.25 | +/- 0.78 | | 5.0 +/- 0.05 | 2.0 |

