## FULL BRIDGE CIRCUIT TYPE, SHORT TRAVEL

The J2-S4 Series of strain gauge based force transducers provides analog output proportional to the force applied to the button. The J2-S4 bottom mount transducer offers short travel, full bridge circuit, a flat button style, and 1 million cycle life.

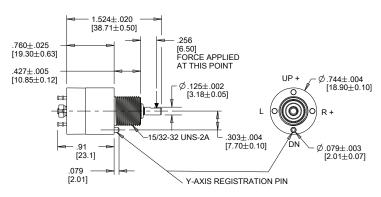
The strain gauge transducer compensates for outside influences, like temperature, allowing the transducer to maintain accuracy even in the most demanding environments.

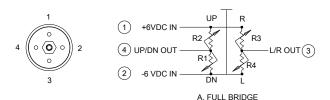
The J2-S4's threaded bushing case offers a secure switch retention method for a wide range of panel thicknesses.

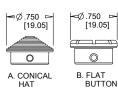
Applications include flight control, operating ground vehicles, and cursor control or target acquisition.

## **Features:**

- Full bridge circuit type
- 1 million cycle life
- Short travel in each direction
- Watertight to IP68S
- Shorter behind panel
- Multiple button types available





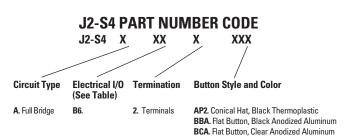






J2-S4 Transducer

Standard Characteristics/Ratings:							
ELECTRICAL RATINGS (+/- 6 VDC):							
Sensitivity	.50 Volts per lb. typical						
Insulation Resistance:	100MΩ min @ 50VDC +/08% full scale per degree C max +/006 VDC within 1 second after release						
Null Temp Coefficient:							
Null Hysteresis:							
Sensitivity Temp Coefficient:	+/2% full scale per degree C						
Null Output:	0VDC +/100VDC						
Resolution:	Infinite						
Element Resistance:	1000Ω +/- 15%						
Seal:	IP68S Watertight						
Operating Force:	3.0 lbs. typical -54°C to +71°C						
Operating Temp Range:							
Storage Temp Range:	-57°C to +85°C						
Travel:	.05" max travel each direction						
Cycle Life:	1,000,000 cycles; 1 cycle = max travel & return						
MATERIALS:							
Button:	Anodized aluminum or plastic						
Case:	Black anodized aluminum						
Hardware:	Lockwasher, hex nut and button set screws						



EXCITATION VOLTAGE					
CIRCUIT EXCITATION CONFIGURATION (UNITS)		UNTIL STOP	MAX OUTPUT AT STOP (UNITS VDC)		FULL SCALE TRAVEL CYCLES EACH DIRECTION (UNITS x10 <sup>6</sup> )
B6	±6.0	±0.50	±1.80	±0.10	1.0