

## SPECIFICATIONS

### ELECTRICAL

|                  |               |
|------------------|---------------|
| SUPPLY VOLTAGE   | 5.0V DC       |
| CENTER VOLTAGE   | 2.5V DC       |
| SUPPLY CURRENT   | 10mA max/axis |
| OUTPUT CURRENT   | 2mA max/axis  |
| EFFECTIVE OUTPUT | 0V – 5V DC    |
| OUTPUT TOLERANCE | ±2%           |

### MECHANICAL

|                  |                                |
|------------------|--------------------------------|
| OPERATING TRAVEL | 40° (20° from center)          |
| CENTERING        | Single spring, omnidirectional |
| BREAKOUT FORCE   | 0.257Nm                        |
| OPERATING FORCE  | 0.128Nm                        |
| MAXIMUM FORCE    | 0.385Nm                        |
| OPERATING TEMP   | -40°C to +85°C                 |
| LIFE EXPECTANCY  | 10 million operations          |

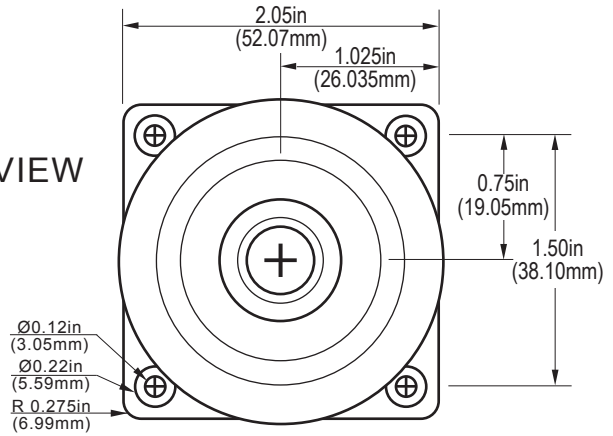
### WIRING

|         |                |
|---------|----------------|
| RED     | Supply voltage |
| BLACK   | Ground         |
| BLUE    | X-Axis         |
| YELLOW  | Y-Axis         |
| ORANGE* | Switch         |
| WHITE*  | Switch         |

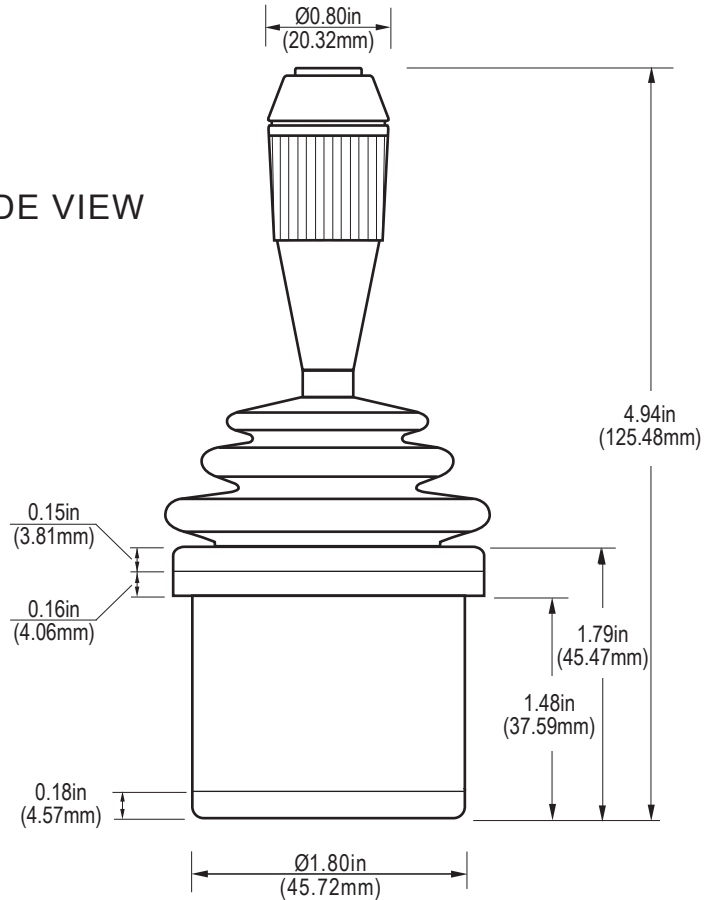
(\* - wires are interchangeable)

**RoHS** compliant

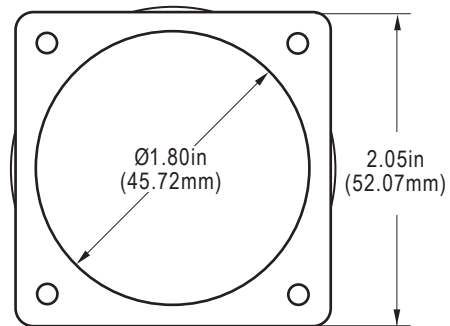
TOP VIEW



SIDE VIEW



BOTTOM VIEW



**CH**  
Products

P/N

**HFX2-22S10**

REV  
**A**

DESCRIPTION

**Series II – 2 Axes, with Button**

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