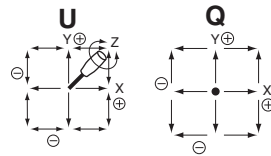
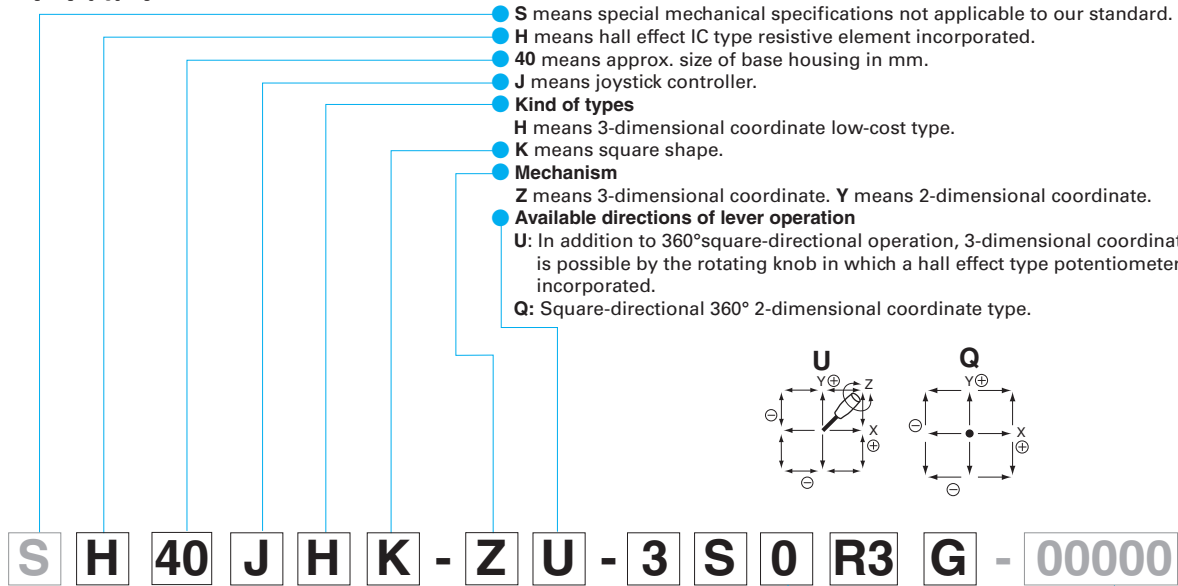


H40JH

- Low-cost
- 3-dimensional coordinate
- With a hall effect IC

● Nomenclature

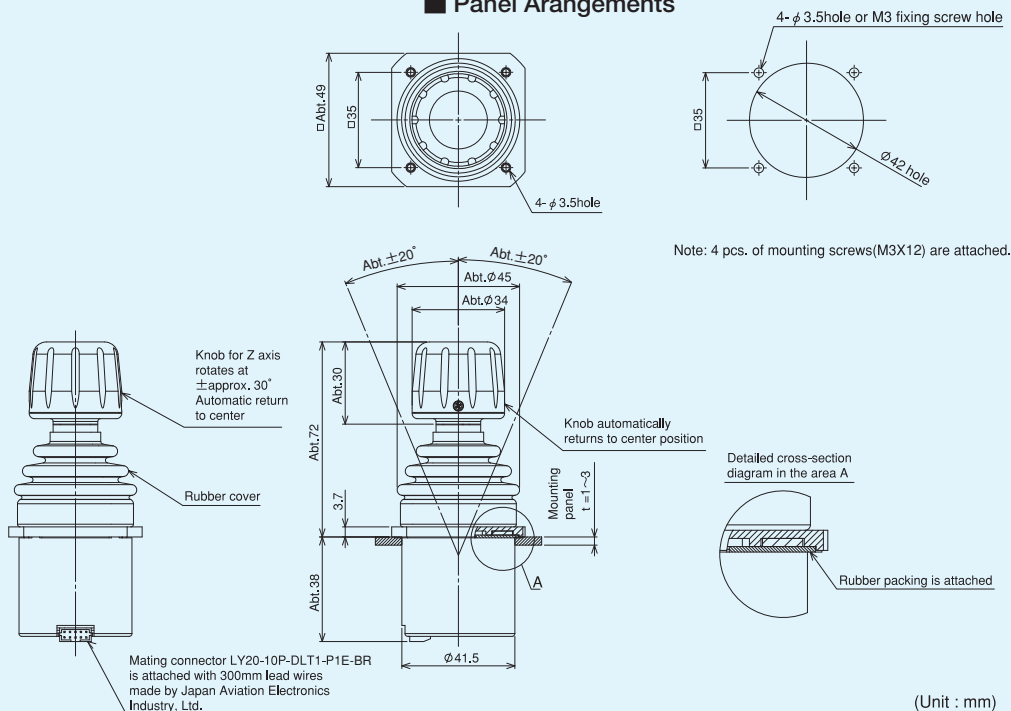


S H 40 J H K - Z U - 3 S 0 R3 G - 00000

- Number of potentiometers to be incorporated**
 0...no potentiometer incorporated. 1...1 potentiometer incorporated.
 2...2 potentiometers incorporated. 3...3 potentiometers incorporated.
- Number of output and kind of output characteristic**
 S...single output. X...dual cross output. P...dual parallel output.
- Number of switches to be incorporated**
 0... no switch incorporated. 2...2 switches incorporated.
 3...3 switches incorporated. 4...4 switches incorporated.
 5...5 switches incorporated.
- With spring return device:**
R3: with spring return device for 3-dimensional coordinate.
R2: with spring return device for 2-dimensional coordinate.
- Mounting accessories:**
G: with dust proof rubber cover. **P** : with sub-panel for mounting.
- Special part number:**
 In case we produce customized products, we add 4-digit or 5-digit branch number.

● Standard Dimensions

■ Panel Arrangements





H40JHK-ZU-3S0R3G
Standard

STANDARD SPECIFICATIONS

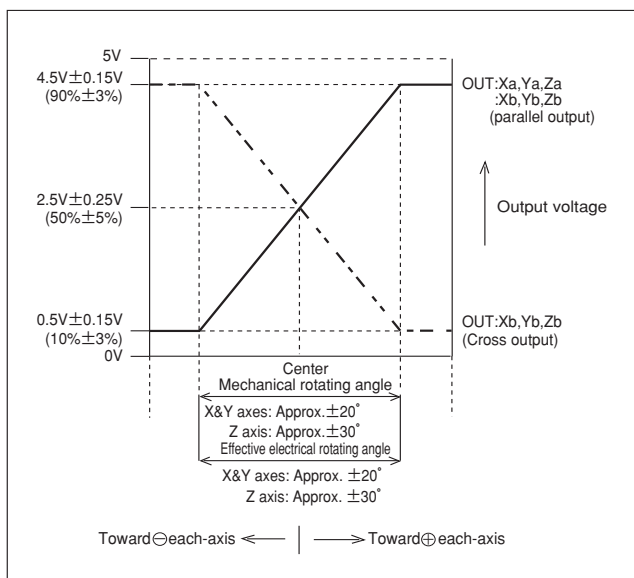
Mechanical Performance

Controlling range of operating lever	3-dimensional coordinate type. X and Y directions: Approx. $\pm 20^\circ$ from center position. Z direction : Approx. $\pm 30^\circ$ from center position.
Operating force	Standard spring return device (Automatically return to center) X and Y directions: Approx. 1 ~ 4N(100 ~ 400gf) Z direction : Approx. 40 ~ 80mN·m(400 ~ 800gf·cm)
Operating temperature range	-20°C ~ + 60°C
Vibration	10 ~ 55Hz 98m/s ²
Shock	294m/s ²
Life expectancy	Approx. 5,000,000 operations for X and Y axes. Approx. 3,000,000 operations for Z axis.
Mass	Approx. 110g

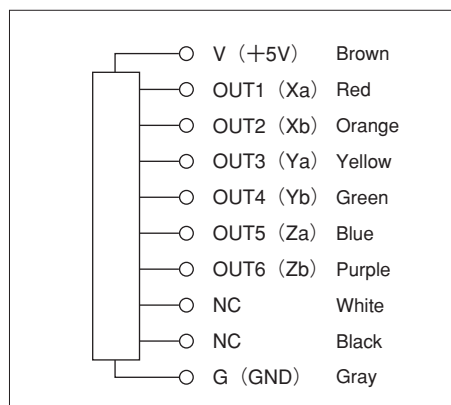
Electrical Performance

Hall effect IC type resistive element incorporated	Applied voltage: 5V $\pm 10\%$ D.C. Effective output: Approx. 0.5V ~ 4.5V Electrical rotating angle: X and Y-axis: Approx. $\pm 20^\circ$ Z-axis: Approx. $\pm 30^\circ$ Independent linearity tolerance: $\pm 3\%$ Load resistance: over 10K Ω
Dielectric strength	1 minute at 500V.A.C.
Insulation resistance	Over 1,000M Ω at 500V.D.C.
EMS durability	100V/m (80MHz ~ 1GHz 1kHz sine-wave 80%AM modulation)
ESD durability	± 8 kV contact ± 15 kV aerial discharge (Based on IEC61000-4-2)

Output Characteristic



Terminal Connection Diagram



Note: The above colors show the colors of lead wires of the mating connector.