

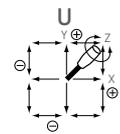
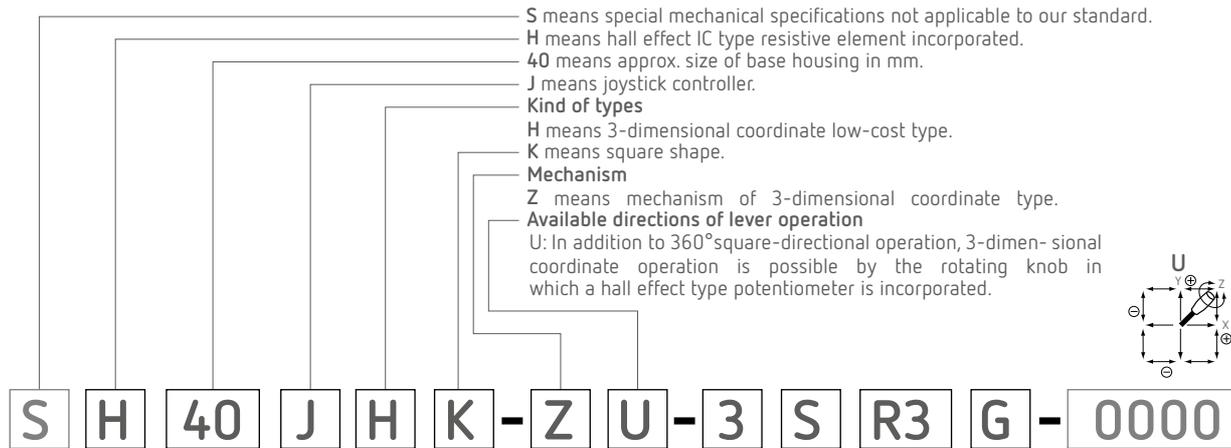


Industrial joysticks H40JH

Potentiometer with a hall effect IC type resistive element (3-dimensional coordinate type)



Model H40JH



Number of potentiometers to be incorporated

0 no potentiometer incorporated. 1 potentiometer incorporated.
2 potentiometers incorporated. 3 potentiometers incorporated.

Number of output and kind of output characteristic

S single output. X dual cross output. P dual parallel output.

With spring return device:

R3: with spring return device for 3-dimensional coordinate.

Mounting accessories:

G : with dust proof rubber cover.

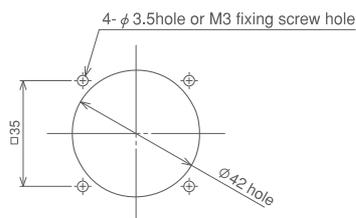
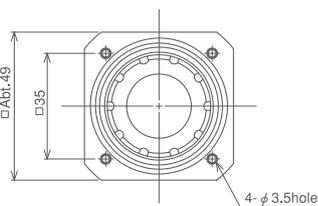
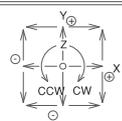
Special part number:

In case we produce customized products, we add 4-digit or 5-digit branch number.

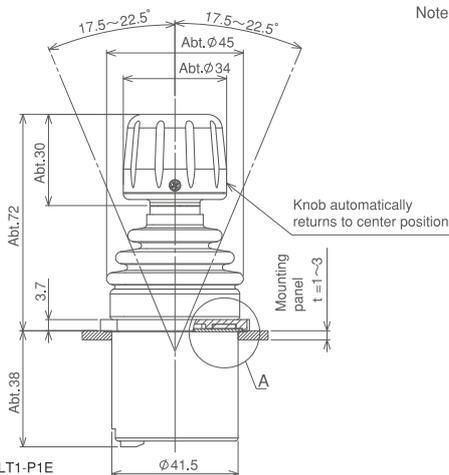
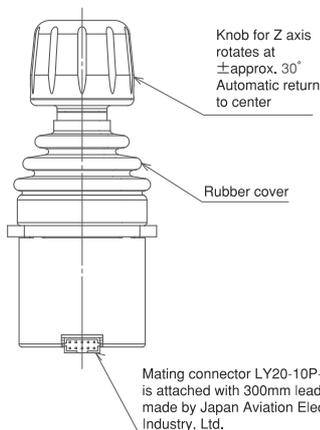
Standard Dimensions

Panel Arrangements

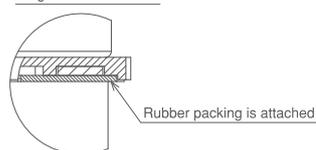
Direction of lever operation(U type)



Note: 4 pcs. of mounting screws(M3X10) are attached.



Detailed cross-section diagram in the area A



(Unit : mm)

■ **Standard specifications**

Mechanical performance

Controlling range of operating lever: 3-dimensional coordinate type.

X and Y directions: $\pm 17.5^\circ \sim \pm 22.5^\circ$ from center position.

Z direction : $\pm 27.5^\circ \sim \pm 32.5^\circ$ 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: $-20^\circ\text{C} \sim +60^\circ\text{C}$

Vibration: 10~55Hz 98m/s²

Shock: 294m/s²

Life expectancy: X and Y directions: Approx. 5,000,000 operations

Z-directions: Approx. 3,000,000 operations

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: $\pm 3\%$

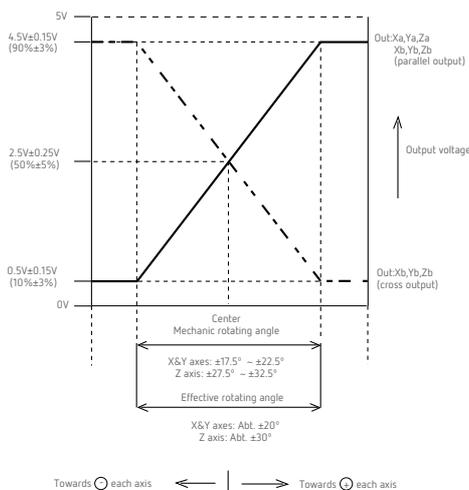
- Load resistance: over 10K Ω

Dielectric strength: 1 minute at 500V.A.C.

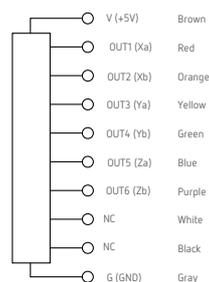
Insulation resistance: Over 1,000M Ω at 500V.D.C.

EMC durability: 100V/m

Output Characteristic



Terminal Connection Diagram



H40JHK-ZU-3SR3G
(Standard)