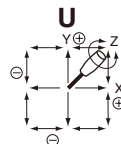
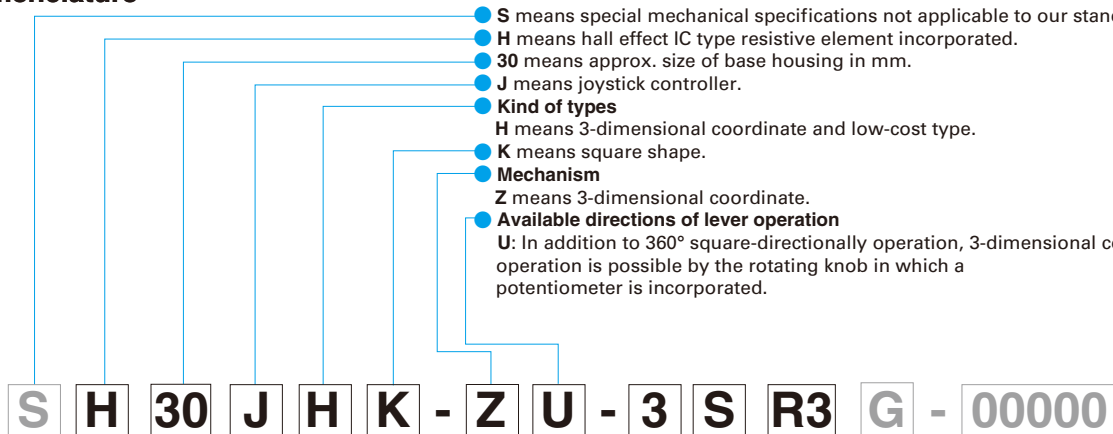


# H30JH

● 3-dimensional coordinate ● With a hall effect IC

## ● Nomenclature



### 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.

### With spring return device:

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

### Mounting accessories:

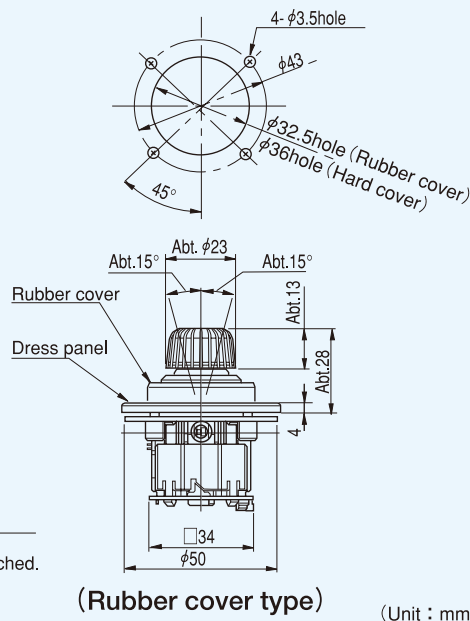
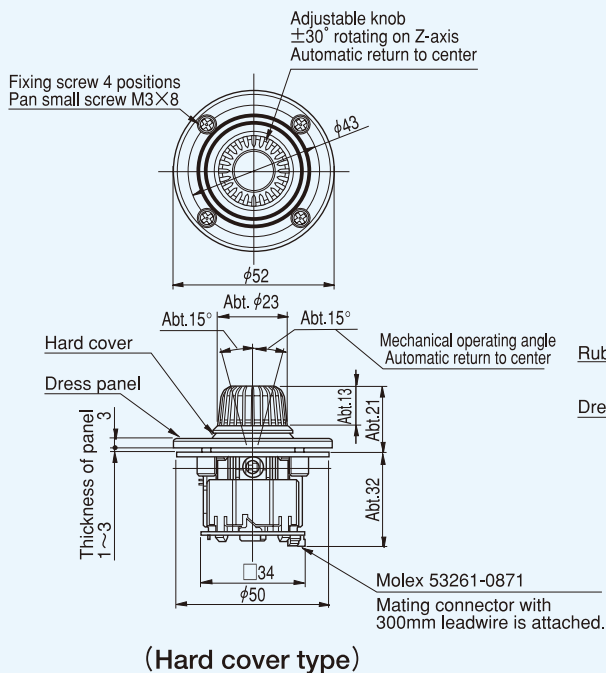
G : with dust proof rubber cover. P : with sub-panel for mounting.

### Special part number:

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

## ● Standard Dimensions

### ■ Panel Arrangements



(Unit : mm)



**H30JHK-ZU-3SR3**  
(Hard cover type)



**H30JHK-ZU-3SR3G**  
(Rubber cover type)

## STANDARD SPECIFICATIONS

### Mechanical Performance

<b>Controlling range of operating lever</b>	3-dimensional coordinate type X and Y directions: Approx. $\pm 15^\circ$ from center position Z directions: Approx. $\pm 30^\circ$ from center position
<b>Operating force</b> (Standard spring return device : Automatically return to center)	X and Y directions: Approx. 1.5~3N(150~300gf) (X and Y directions with rubber cover: Approx. 1.5~3.5N(150~350gf)) Z direction: Approx. 10~30mN~m(100~300gf~cm)
<b>Operating temperature range</b>	-20°C ~ +60°C
<b>Vibration</b>	10~55Hz 98m/s <sup>2</sup>
<b>Shock</b>	294m/s <sup>2</sup>
<b>Life expectancy</b>	Approx. 1,000,000 operations.
<b>Mass</b>	Approx. 50g

### Electrical Performance

<b>Hall effect IC type resistive element incorporated</b>	<ul style="list-style-type: none"> <li>● Applied voltage: 5V<math>\pm 10\%</math> D.C.</li> <li>● Effective output: Approx. 0.5V~4.5V</li> <li>● Electrical rotating angle: X and Y-axis: Approx. <math>\pm 15^\circ</math> Z-axis: Approx. <math>\pm 30^\circ</math></li> <li>● Independent linearity tolerance: <math>\pm 3\%</math></li> <li>● Load resistance: over 10K<math>\Omega</math></li> </ul>
<b>Dielectric strength</b>	1 minute at 250V.A.C.
<b>Insulation resistance</b>	Over 100M $\Omega$ at 250V.D.C.
<b>EMS tolerance</b>	50V/m (80MHz~1GHz 1KHz sine-wave 80%AM modulation)

### Terminal Connection Diagram

