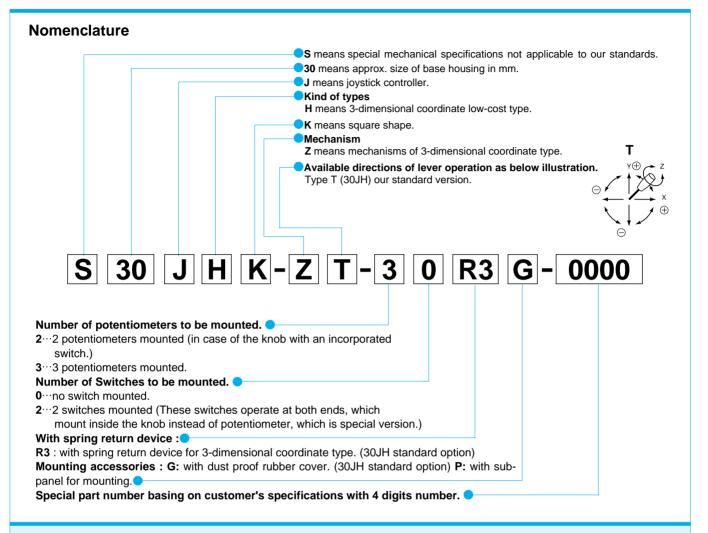
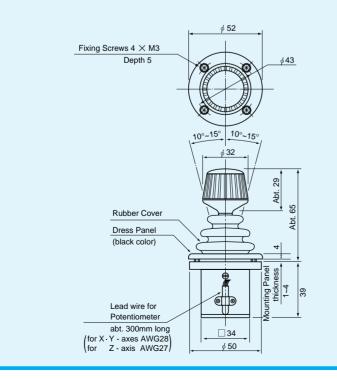
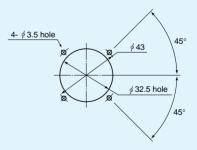
# **30JH**



## **Standard Dimensions**



Panel Arrangements



Note: 1) 4 pcs. of mounting screws (M3 × 8) are attached. 2) Fastening torque of fixing screws shall be below 400mN•m(4kgf•cm).

(Unit : mm)







**30JHK-ZT-30R3G** (standard) (3-dimensional coordinate type)

### STANDARD SPECIFICATIONS

#### Mechanical Performances

**Controlling range of operating lever :** 3-dimensional coordinate type X and Y directions : Approx. $\pm$ 10° $\sim$  $\pm$ 15° from center position.(Omni-directionally)

Z direction : Approx. $\pm 30^{\circ} \sim \pm 35^{\circ}$  from center position.

Operating force (With standard automatically center returning spring return device type)(Omnidirectionally) X and Y directions : Approx.1~2N (1000~200gf)

Z direction : Approx.30~70mN·m (300~700gf.cm)

Operating temperature range :-20°C~+60°C

Vibration: 10~55Hz 98m/s<sup>2</sup> (10G)

**Shock :** 294m/s<sup>2</sup> (30G)

Life expectancy : Approx. 2,000,000 operations Mass : Approx. 130g

#### •Electrical Performances

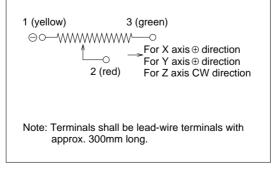
Potentiometer mounted : Special conductive plastic resistive element exclusively used for 30 JH series is incorporated.

(X and Y axes pots) Resistance value :  $10k\Omega \pm 20\%$ Rating : 0.1W Electrical rotating angle : Approx.20° Independent linearity tolerance :  $\pm 5\%$ 

 $\begin{array}{l} (\text{Z axis pot.}) \\ \text{Resistance value : } 10 \text{k}\Omega \pm 20\% \\ \text{Rating : } 0.04\text{W} \\ \text{Electrical rotating angle : } \text{Approx.} 60^\circ \\ \text{Independent linearity tolerance : } \pm 5\% \end{array}$ 

**Output smoothness :** Below 0.2% against input voltage **Contact resistance variation :** Below 6% C.R.V. **Resolution :** Essentially infinite **Dielectric strength :** 1 minute at 500V.A.C. **Insulation resistance :** Over 1,000MΩ at 500V.D.C.

#### Terminal Connection Diagram



•Special Specifications Available Please see page 41, a table of "Standard and Special Specifications Available".