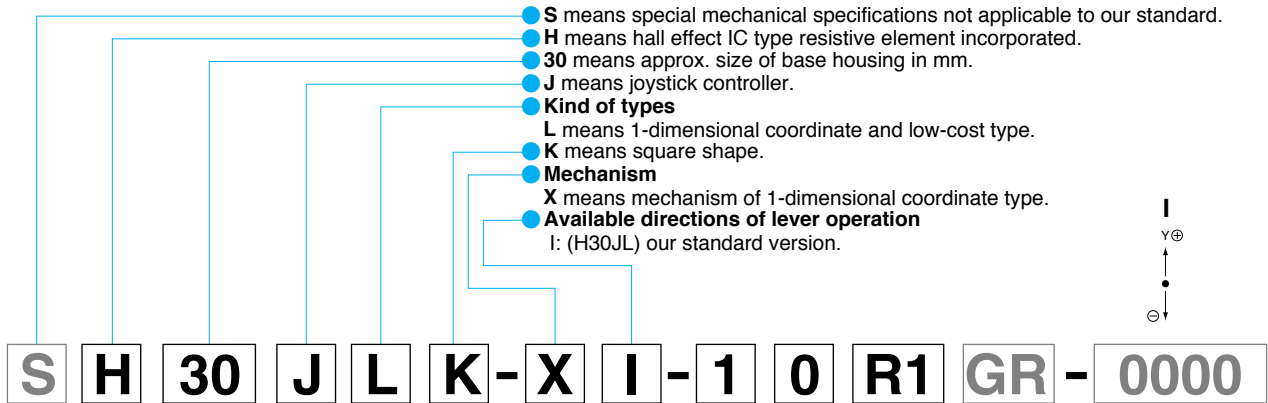


# H30JL

New Product

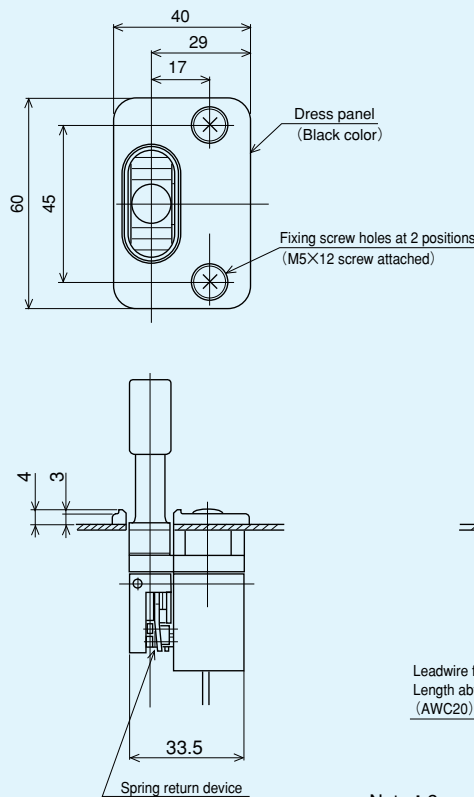
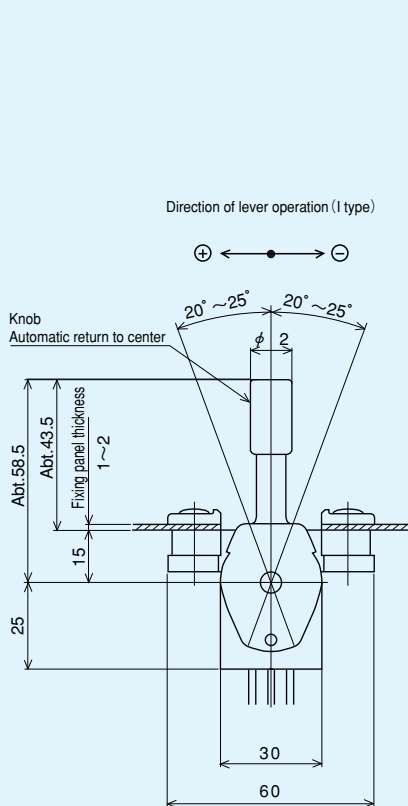
Potentiometer with a hall effect IC type resistive element

## Nomenclature

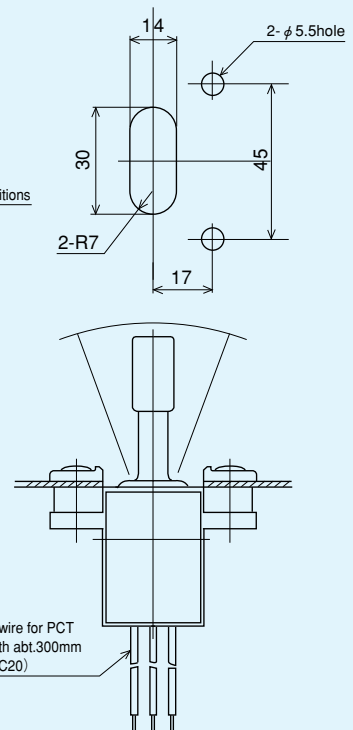


- Number of potentiometers to be incorporated** ●  
 0...no potentiometer incorporated. 1...1 potentiometer incorporated.
- Number of switches to be incorporated** ●  
 0...no switch incorporated. 1...1 switch incorporated.
- With spring return device:** ●  
**R1** : with spring return device for 1-dimensional coordinate type.
- Mounting accessories:** ●  
**G** : with dust proof rubber cover.  
**R** : with round shaped knob  
**H** : with flat shaped knob  
**P** : with sub-panel for mounting
- Special part number:** ●  
 In case we produce customized products, we add 4-digit branch number.

## Standard Dimensions



## Panel Arrangements



Note : 2 pcs. of mounting screws (M5X12) are attached.  
 (Unit : mm)



**H30JLK-XI-10R1**  
(Standard)



**H30JLK-XI-10R1GR**  
(With round shaped knob,  
sub-panel for mounting, dust proof  
rubber cover)



**H30JLK-XI-10R1H**  
(With flat shaped knob,  
sub-panel for mounting)

## STANDARD SPECIFICATIONS

### ● Mechanical performance

**Controlling range of operating lever:** 1-dimensional coordinate type  
 $\pm 20^\circ \sim \pm 25^\circ$  from center position.  
**Operating force** (Standard spring return device : Automatically return to center)  
 Approx. 1~2.5N (100~250gf)  
 (With rubber cover: Approx. 1~5.5N (100~550gf))  
**Operating temperature range:**  $-20^\circ\text{C} \sim +60^\circ\text{C}$   
**Vibration:** 10~55Hz 98m/s<sup>2</sup>  
**Shock:** 294m/s<sup>2</sup>  
**Life expectancy:** Approx. 5,000,000 operations.  
**Mass:** Approx. 100g

### ● Electrical performance

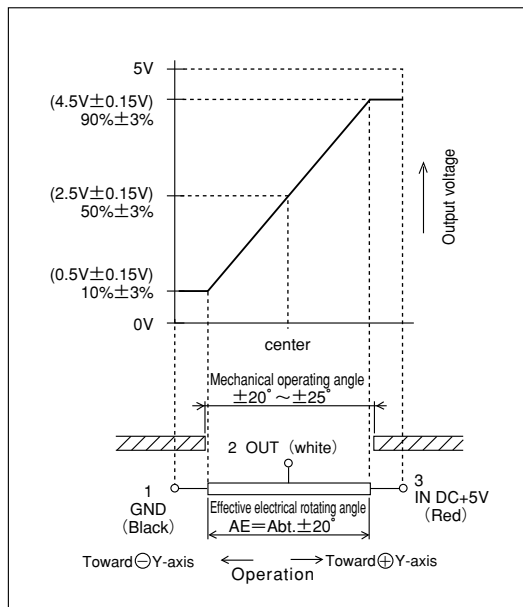
**Hall effect IC type resistive element incorporated**

- Applied voltage:  $5\text{V} \pm 10\%$  D.C.
- Effective output: Approx. 0.5V~4.5V
- Independent linearity tolerance:  $\pm 3\%$
- Load resistance: over 10K $\Omega$

**Dielectric strength:** 1 minute at 250V.A.C.  
**Insulation resistance:** Over 1000M $\Omega$  at 250V.D.C.  
**EMC durability:** 50V/m

### ● Output Characteristic

### ● Terminal Connection Diagram



### ● Special Specifications Available

Please see page 45, a table of "Standard and Special Specifications Available".