H30JL

● Low-cost ● 1-dimensional coordinate ● With a hall effect IC

● Nomenclature

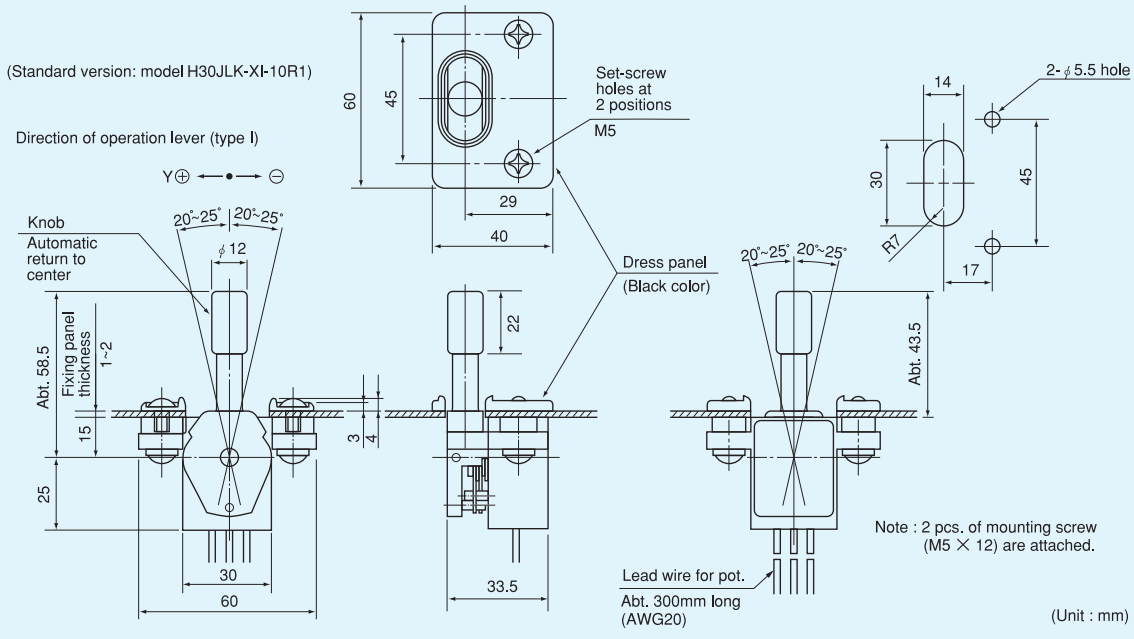
S means special mechanical specifications not applicable to our standard.
H means hall effect IC type resistive element incorporated.
30 means approx. size of base housing in mm.
J means joystick controller.
Kind of types
L means 1-dimensional coordinate potentiometer incorporated and pot low-cost type.
K means square shape.
Mechanism
X means 1-dimensional coordinate.
Available directions of lever operation
I : (H30JL) our standard version.

S	H	30	J	L	K	-	X	I	-	1	P	0	R1	GR	-	00000

Number of outputs from potentiometer
1··· single output. **2**··· two (dual output).
Output characteristics
S··· single output. **X**··· dual cross output. **P**··· dual parallel output.
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 or 5-digit branch number.

● Standard Dimensions

■ Panel Arangements



H30JLK-XI-10R1
(Standard)

H30JLK-XI-10R1GR
(With round shaped knob, dust proof roubber cover)

H30JLK-XI-10R1H
(With flat shaped knob)

STANDARD SPECIFICATIONS

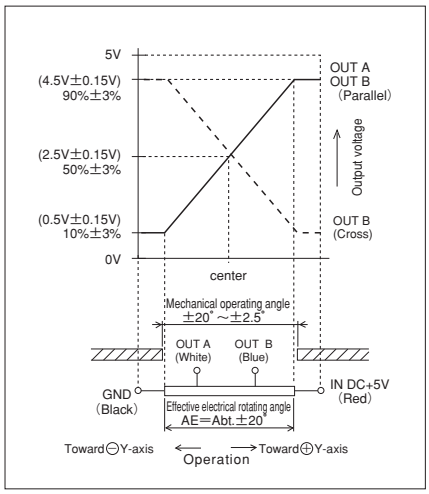
Mechanical Performance

Controlling range of operating lever	1-dimensional coordinate type ±20°～±25° 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°C～＋60°C
Vibration	10～55Hz 98m/s²
Shock	294m/s²
Life expectancy	Approx.5,000,000 operations.
Mass	Approx.100g

Electrical Performance Hall effect IC type resistive element incorporated

Hall effect IC type resistive element incorporated	●Applied voltage: 5V±10% D.C. ●Effective output: Approx.0.5V～4.5V ●Independent linearity tolerance: ±3% ●Load resistance: over 10KΩ
Dielectric strength	1 minute at 250V.A.C.
Insulation resistance	Over 1000MΩ at 250V.D.C.
EMS durability	50V/m(80MHz～1GHz 1KHz sine-wave 80%AM modulation)

Output Characteristic and Terminal Connection Diagram

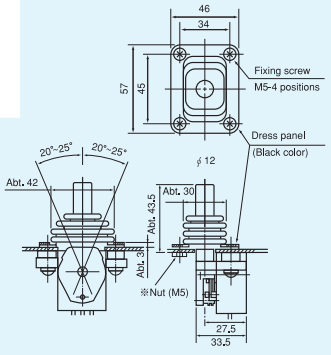


Special Specifications Available

Please see page 51, a table of “Standard and Special Specifications Available".

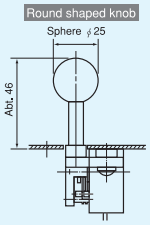
Dimensions of Optional Version

With dust-proof rubber cover

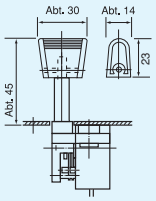


Note : 1) 4 pcs. of mounting screws (M5 × 12) are attached.
2) 2 pcs. of the attached nut (M5) "※" use for mounting of the one side.

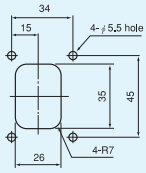
Round shaped knob



Flat shaped knob



■Panel Arrangements for dust-proof rubber cover type



(Unit : mm)