H25JB

● 2-dimensional coordinate ● With a hall effect IC

● Nomenclature

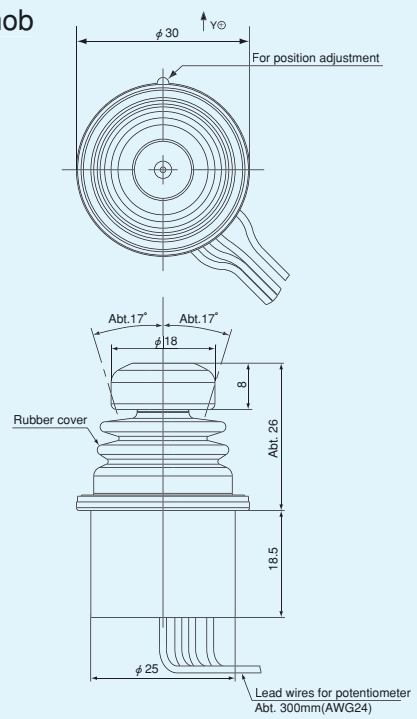
S means special mechanical specifications not applicable to our standards.
H means hall effect IC type resistive element incorporated.
25 means approx. size of base housing in mm.
J means joystick controller.
B means the potentiometer is incorporated inside housing case.
M means round shape.
Mechanism
Y means 2-dimensional coordinate..
Available directions of lever operation
O:Omni-directional 360 ° operating type.

S H 25 J B M - Y O - 2 S 0 R2 G 0 0 - 00000

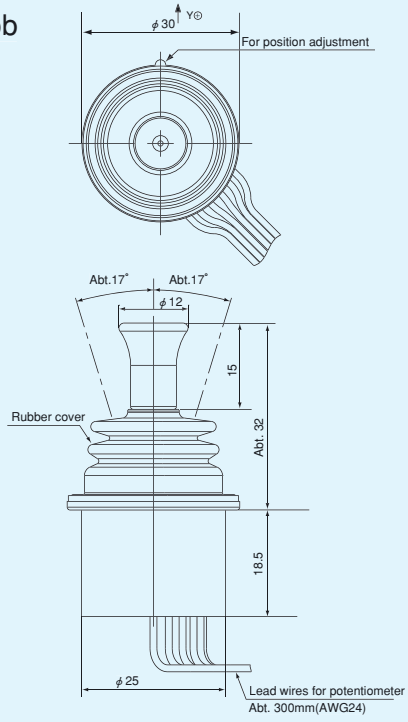
Number of potentiometers to be incorporated
2···2 potentiometers incorporated.
Number of output and kind of output characteristic
S···Single output **X**···Dual cross output **P**···Dual parallel output
Number of switches to incorporated
0··· No switch incorporated **1**···With 1 push button switch
With spring return device
R2···With spring return device for 2 dimensional coordinate.
Mounting accessories:
G: With dust proof rubber cover.
Shape of knob:
M:M type knob as shown on the below sketch
B:B type knob as shown on the below sketch
S:Special shaped knob
Mounting method
U:Joystick mounted from above panel
D:Joystick mounted from under panel
Special part number
In case we produce customized product, we add 4 or 5 digit branch number.

● Standard Dimensions

With M type knob



With B type knob



H25JBM-YO-2S0R2GMU

H25JBM-YO-2S0R2GBU

STANDARD SPECIFICATIONS

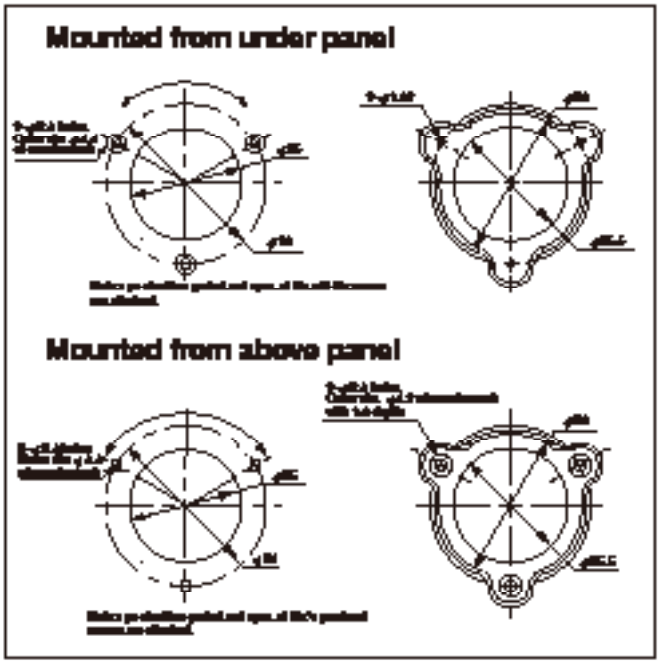
Mechanical Performance

Controlling range of operating lever	Omni-directionally approx. ±17° from center position
Operating force	Spring return device (Automatically return to center) X&Y directions: Approx. 1N～2.5N
Operating temperature range	–20°C～+60°C
Vibration	10Hz～55Hz 98m/s²
Shock	294m/s²
Mechanical life expectancy	Approx. 2,000,000 operations
Mass	Single output type: Approx. 22g Dual output type: Approx. 24g

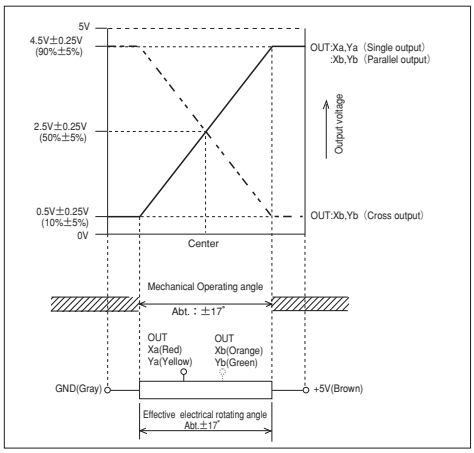
Electrical Performance

Applied voltage	D. C. 5V ±10%
Effective output	0.5V～4.5V
Electrical rotating angle	X&Y directions: Approx. ±17° (Approx.34°)
Independent linearity tolerance	±3%FS
Load resistance	Over 10kΩ
Dielectric strength	1 minute at A. C. 500V
Insulation resistance	Over 1,000MΩ at D. C. 500V
EMS durability	100V/m (80MHz～1GHz 1kHz sine-wave 80%AM modulation)
ESD durability	±8kV contact ±15kV aerial discharge (Based on IEC61000-4-2)

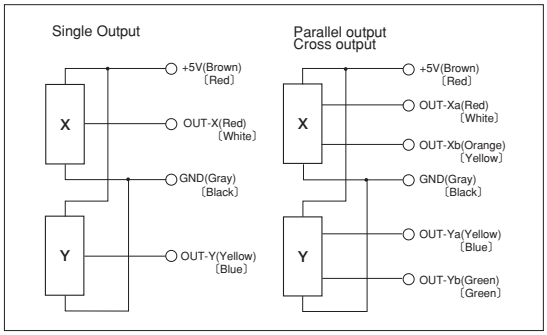
Panel Arrangements



Output Characteristic



Terminal Connection Diagram



Note:Colowrs shown in square brackets are colors for lead wires when H25JB model is assembled on the mini cobra shaped knob (p.40).

Special Specifications Available

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