SJ70 Series Multi Axis Joystick

Product Features

- Spring return, single-axis or dual-axis operated.
- Cross direction or arbitrary direction operated optional.
- Hall effect angle detection long life.
- Various output option.



Typical application on Cranes, loaders, Forklifts, excavators, access platform, tractors, harvesters, and so on.

Technical Information

Electrical data

Hall	
Power supply	$5 \pm 0.5 \text{Vdc}$
Supply current (nominal power supply):	< 11 mA (Single axis), <22mA (Dual-axis)
Maximum allowable overload voltage	20Vdc
Reverse maximum allowable voltage	-10Vdc
Output linearity tolerance	< ± 0.2V

Mechanical features

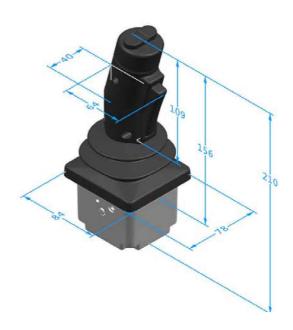
Travel angle	± 20°
Operating type	Spring return
Breakout force	9N
Operating force(max)	20N
Maximum allowable force	>300N
Expecting life	>1million cycles (Hall effect)
Weight	450g (Without handle)

Environmental data

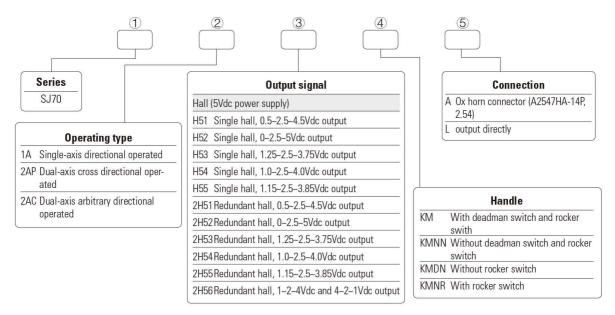
Operating temperature	-30°C~+70°C	
Storage temperature	-40°C~+85°C	
Protection level	IP65 (Above the flange)	



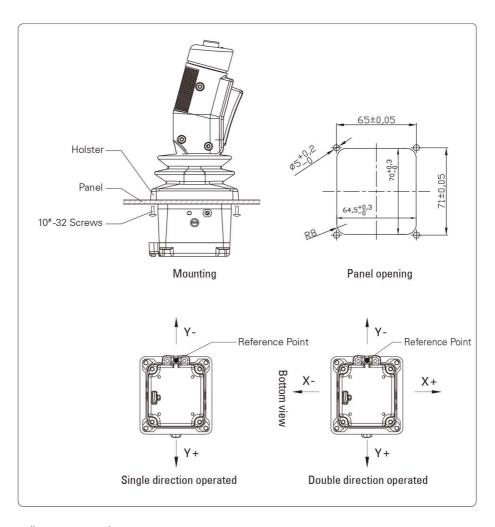
Dimensions



Product Configuration



Product Installation



Electrical Connections

Redundant hall

Color	Function
Grey	Y-axis (forward and backward)
Yellow	Y-axis Redundant output (forward and backward)
Blue	Common terminal of Rocker switch
Purple	Deadman switch
Orange	Deadman switch
Black	Rocker switch (left)
Red	Rocker switch (right)
Green	X-axis (left and right)
Green&Black	X-axis Redundant output (left and right)
White	Power supply
Brown	0V

Hall effect

Color	Function	
Grey	Y-axis (left and right)	
Yellow	X-axis (left and right	
Blue	Common terminal of Rocker switch	
Purple	Deadman switch	
Orange	Deadman switch	
Black	Rocker switch (left)	
Red	Rocker switch (right)	
White	Power supply	
Brown	0V	

