



FJ12 Series

FEATURES

- Compact design, easy to be mounted side by side
- Fingertip-operated, single axis, spring return
- Non-contacting hall effect technology, high reliability, long lifetime
- Supply voltage 9-32Vdc

APPLICATIONS

- Industrial remote controller
- Control armrest box
- Industrial remote controller

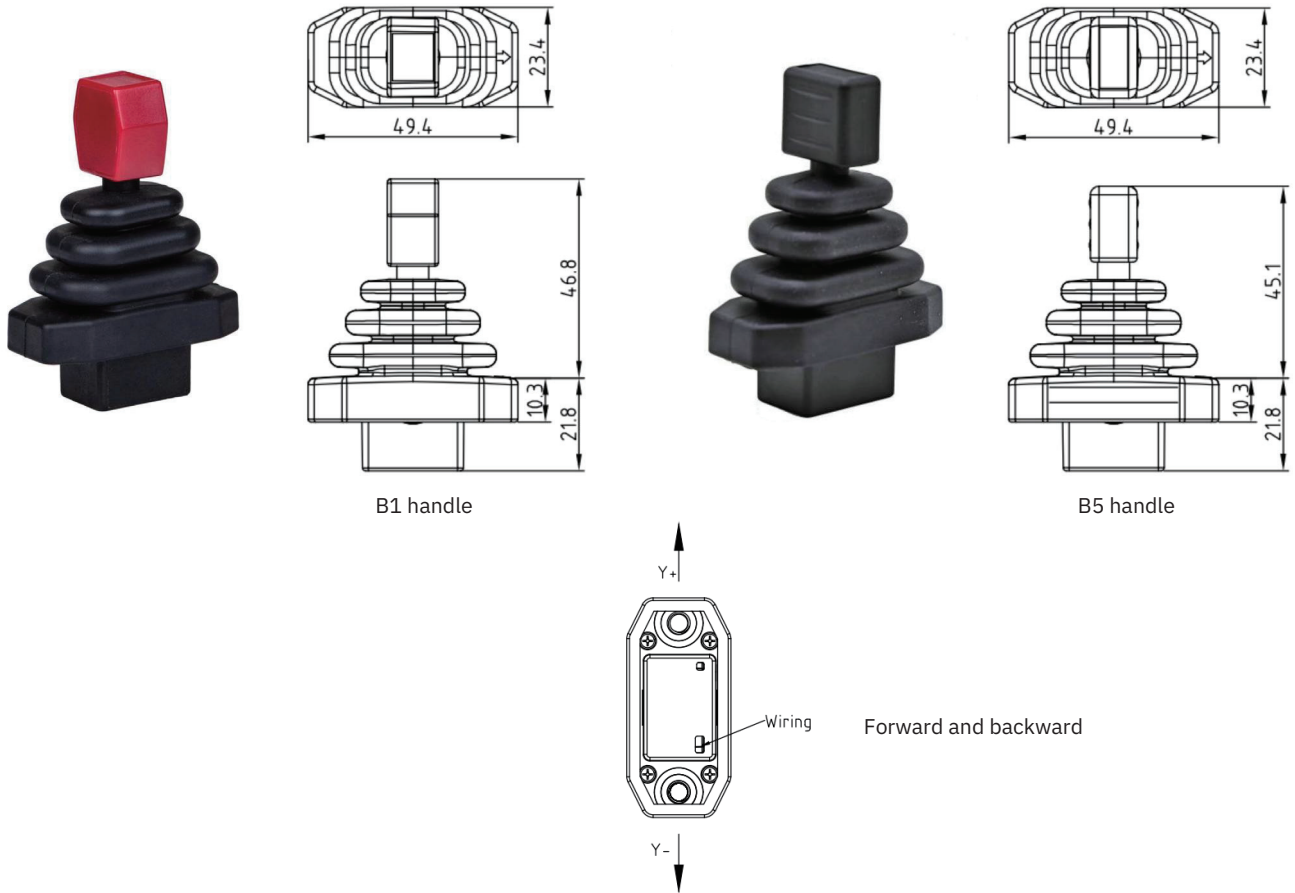


SPECIFICATIONS

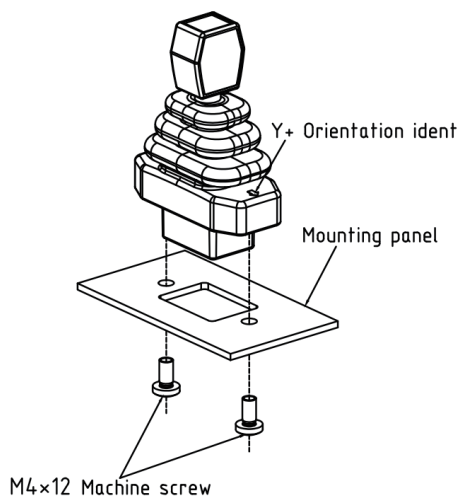
Mechanical data	
Travel angle	±30°
Operating force ¹	1-5N
Maximum allowable force	200N
Mechanical life	>3 million cycles
Product weight	Appr. 35g
Electrical data	
Supply voltage(Vs)	5.0±0.5Vdc or 9~32Vdc
Power current consumption	<11mA (per channel)
Center voltage	2.5V±3%Vs
Output linearity voltage tolerance	±3%
Maximum overload voltage	20Vdc
Maximum Reverse voltage	-12Vdc
Load resistance	10KΩ
Environmental data	
Operating temperature	-40°C~+85°C
Storage temperature	-40°C~+85°C
Protection class	IP ratings may vary from model to model, for more information, please consult our sales staff

¹ The measuring point is 50mm from the pivot center,

OUTLINE DIMENSIONS (UNIT:mm)



MECHANICAL INSTALLATIONS



ELECTRICAL CONNECTIONS

No.	Color	Function
1	Red	VCC
2	Black	GND
3	Yellow	A-out
4	Green	B-out (Redundant output)

ORDER GUIDE

FJ12		Single-axis joystick			
		Code	Output signal		
		H11	Supply voltage 5Vdc, 10%~50%~90%Vs output		
		H13	Supply voltage 5Vdc, 20%~50%~80%Vs output		
		H14	Supply voltage 5Vdc, 25%~50%~75%Vs output		
		H21	Supply voltage 5Vdc, 10%~50%~90%Vs and 90%~50%~10%Vs redundant output		
		H23	Supply voltage 5Vdc, 20%~50%~80%Vs and 80%~50%~20%Vs redundant output		
		H24	Supply voltage 5Vdc, 25%~50%~75%Vs and 75%~50%~25%Vs redundant output		
		L11	Supply voltage 3.3V, 10%~50%~90%Vs output		
		W11	Supply voltage 9~32Vdc, 0.5~2.5~4.5V ratiometric output		
		W13	Supply voltage 9~32Vdc, 1~2.5~4V ratiometric output		
		W14	Supply voltage 9~32Vdc, 1.25~2.5~3.75V ratiometric output		
		W21	Supply voltage 9~32Vdc, 0.5~2.5~4.5V and 4.5~2.5~0.5V redundant ratiometric output		
		W23	Supply voltage 9~32Vdc, 1~2.5~4V and 4~2.5~1V redundant ratiometric output		
		W24	Supply voltage 9~32Vdc, 1.25~2.5~3.75V and 3.75~2.5~1.25V redundant ratiometric output		
		Code	Paddle Colors		
		1	Black		
		2	Red		
		Code	Handle options		
		B1	B1 handle, hexagonal grip		
		B5	B5 handle, quadrilateral grip		
		Code	Wiring		
		L	Cable wiring (length 300mm)		
FJ12	H11	1	B1	L	Complete Type Specification

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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In addition we offer services such as calibration, repairs, design & engineering, training and renting of measurement equipment.