

TJ140 Series Dual Axis Joystick

Product Features

- Thumb operation
- Spring return
- Uncontact hall effect
- Single/Double axis optional
- Various handle ends can be customized.

Application

Mainly used in various operating joystick, operating panels, and miniature remote control.



Technical Information

Electrical data

Power supply	$5 \pm 0.5\text{Vdc}$
Electrical angle	$\pm 25^\circ$
Supply current (max)	$< 9\text{mA}; 18\text{mA}(\text{Redundant Hall})$
Center tap output voltage	$2.5 \pm 0.15\text{V}$
Reverse maximum allowable voltage	-10Vdc
Output linearity tolerance	$< \pm 0.2\text{V}$
Maximum allowable overload voltage	30Vdc

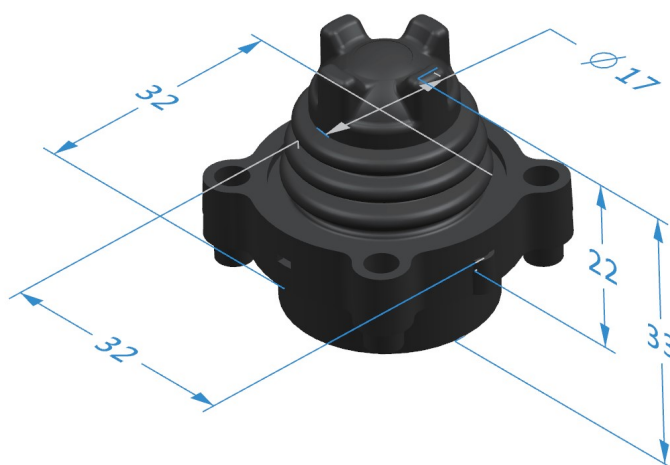
Mechanical features

Travel angle	$\pm 25^\circ$
Operating type	Spring return
Breakout force	about 2N
Operating force (max)	about 5N
Maximum allowable force	about 100N
Expecting life	$> 1\text{ M}$
Weight	about 18g

Environmental data

Operating temperature	$-30^\circ\text{C} \sim +70^\circ\text{C}$
Storage temperature	$-40^\circ\text{C} \sim +85^\circ\text{C}$
Protection level	IP65

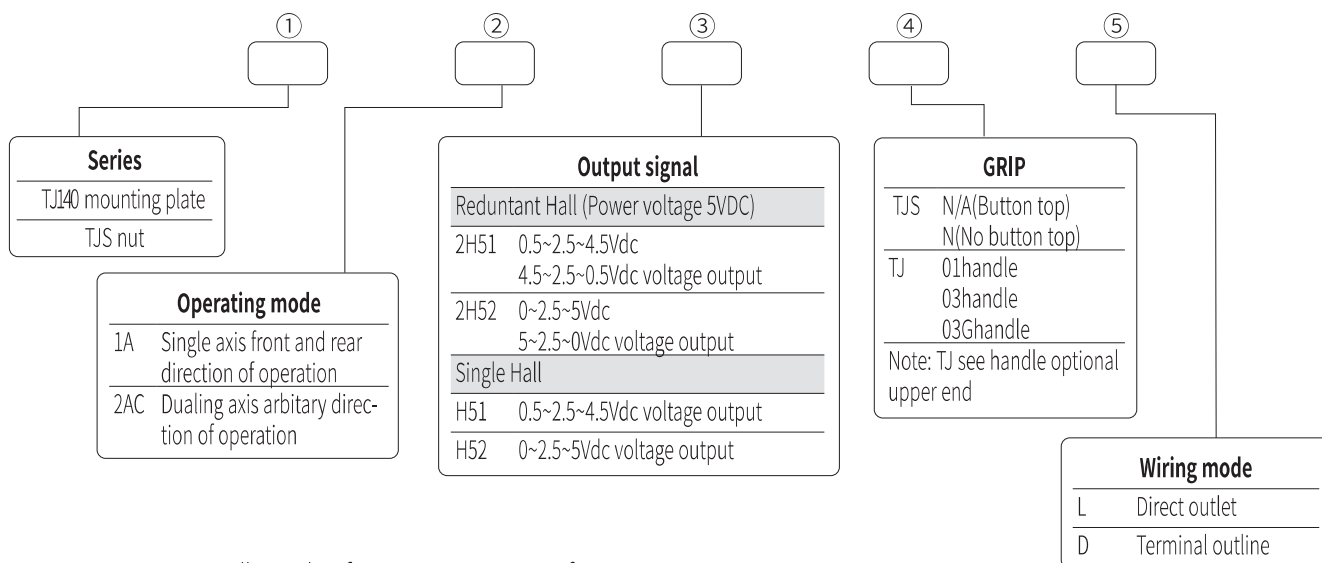
Dimensions



TJS



Product Configuration

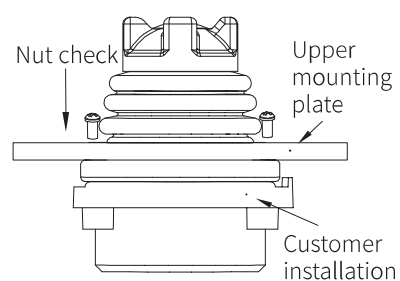
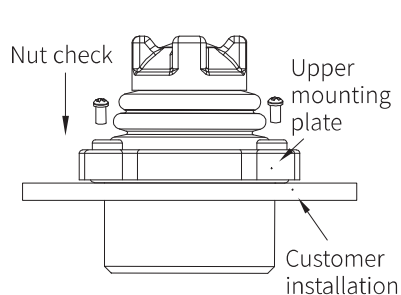
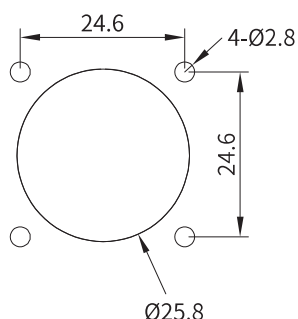


Note: TJ140 use install panel to fixation,TJS use nut to fixation

Product Installation

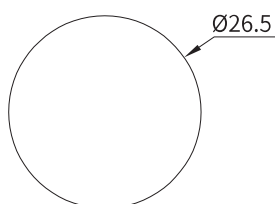
TJ140

Opening size

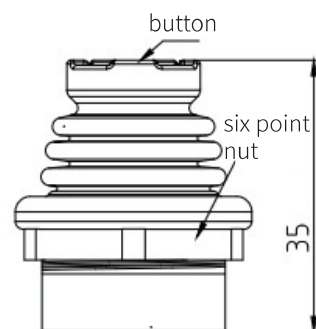
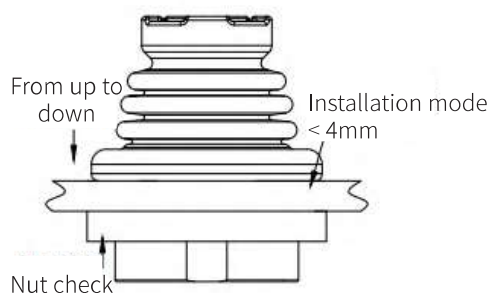


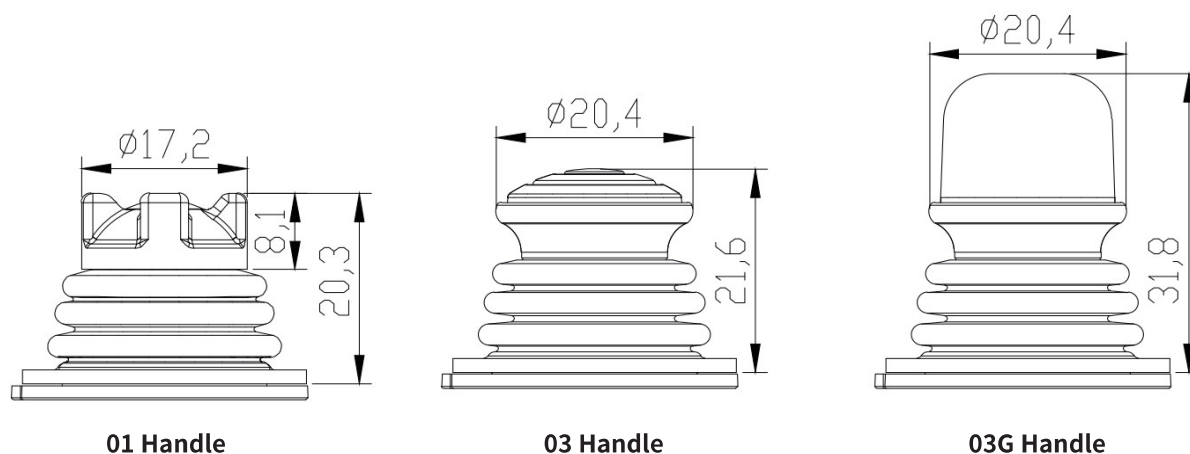
TJS

Opening size



Installation mode





※TJS The upper end of handle is fixed.

Electrical Connections

Color	Function	Remark
Black	GND	
Red	VCC	
Yellow	X1out	
Blue	Y1out	
Yellow/White	X2out	Redundancy specific
Blue/White	Y2out	Redundancy specific

