

LT76 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.
- Optional handle upper end.

Application

Typical application on aerial work platform.

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	$< \pm 0.1\text{V}$

Mechanical features

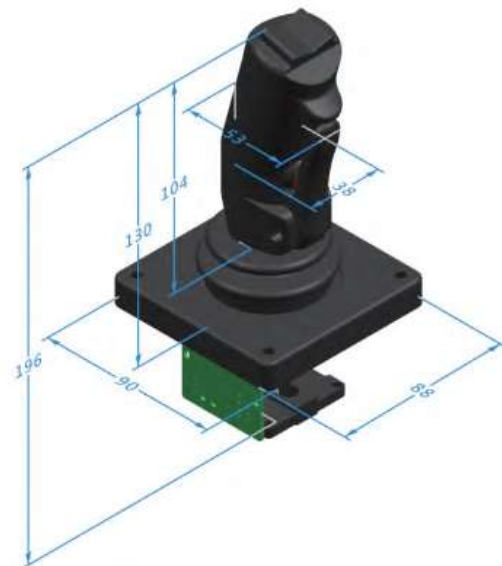
Travel angle	$\pm 20^\circ$
Operating type	Spring return
Breakout force	5N
Operating force (max)	11N
Maximum allowable force	>300N
Expecting life	>2million cycles (Hall effect)
Weight	450g (Without handle)

Environmental data

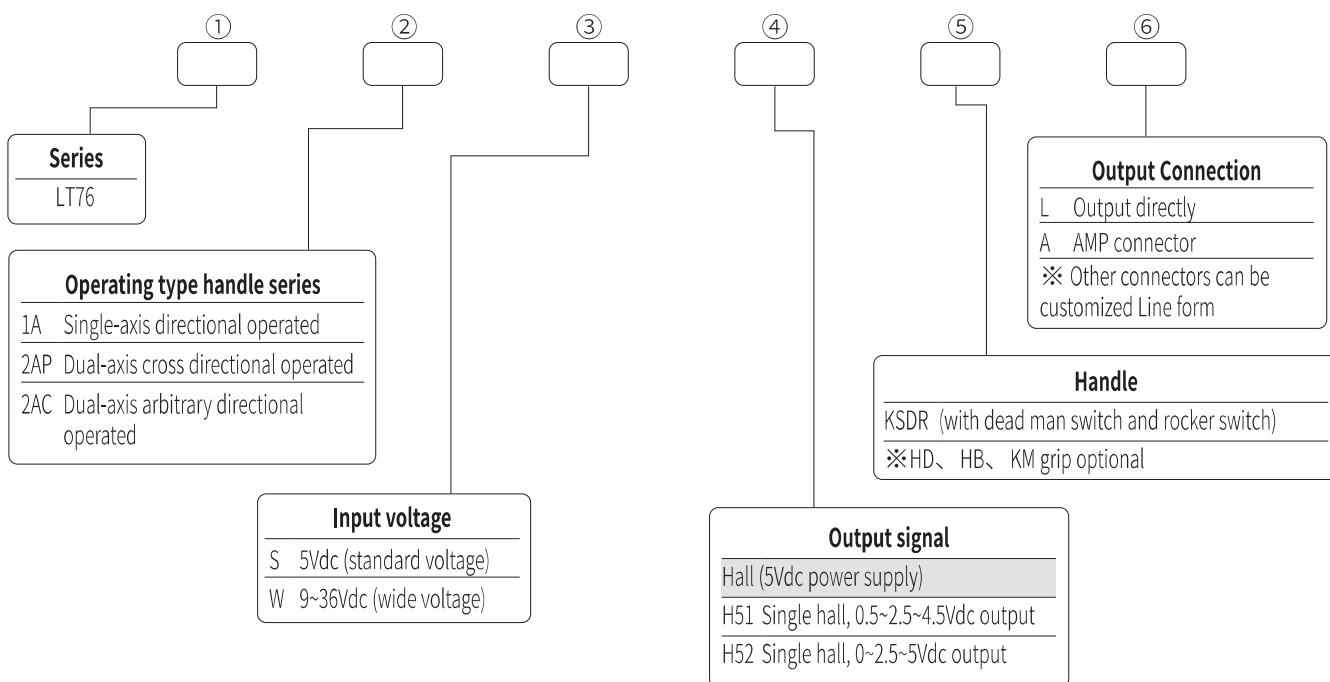
Operating temperature	$-30^\circ\text{C} \sim +70^\circ\text{C}$
Storage temperature	$-40^\circ\text{C} \sim +85^\circ\text{C}$
Protection level	IP65 (Above the flange)



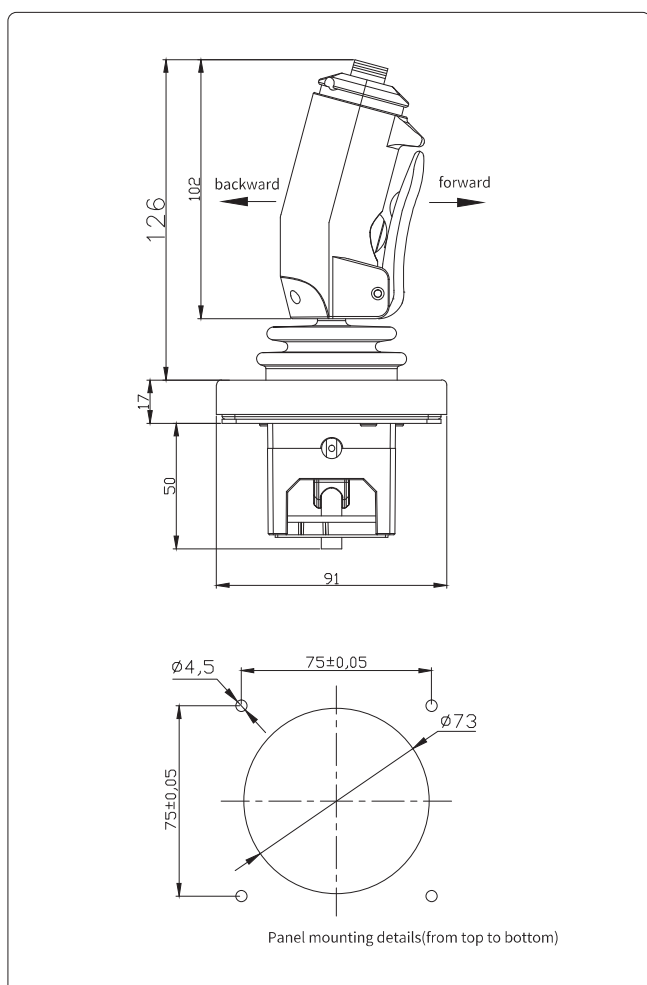
Dimensions



Product Configuration



Product Installation



Electrical connections

Output directly	(Single shaft, upper end with stilt plate and safety switch)
Color	Function
White	VCC
Black	GND
Gray	X&Y-axis output
Yellow	left Rocker switch
Purple	Right Rocker switch
Brown	Common terminal of rocker and deadman switch
Red	Deadman switch