LT86 Series Multi Axis Joystick

Product Features

- Heavy-duty industrial handle, supporting mining machinery and equipment;
- Non-contact Hall sensor detection mode;
- Spring return operation mode;
- There are a variety of different types of handle upper end for choice;
- Optional CAN bus output.



This series of products are mainly used with cranes, loaders, forklifts, excavators, harvesters and so on.

Technical Information

Electrical data

Hall	
Supply voltage	5±0.5Vdc
Supply current	<11 mA (Each hall sensor)
Limit allowed overvoltage	20Vdc
Reverse limit allowable voltage	-10Vdc
Linear error of output voltage	±0.2Vdc
CANBUS	
Supply voltage	9~36Vdc
CAN	CAN2.0B
Agreement	J1939
Connection port	Customization

Mechanical parameter

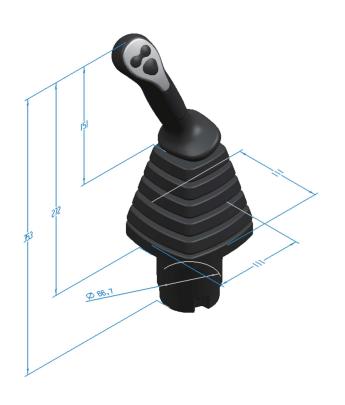
Shaking angle	\pm 23° before and after \pm 18°
Operating mode	Automatic spring reset
Starting force	4N
Maximum operating force	11N
Limiting force	>300N
service life	>2M
Weight	about 1250g (no handle)

Environmental parameter

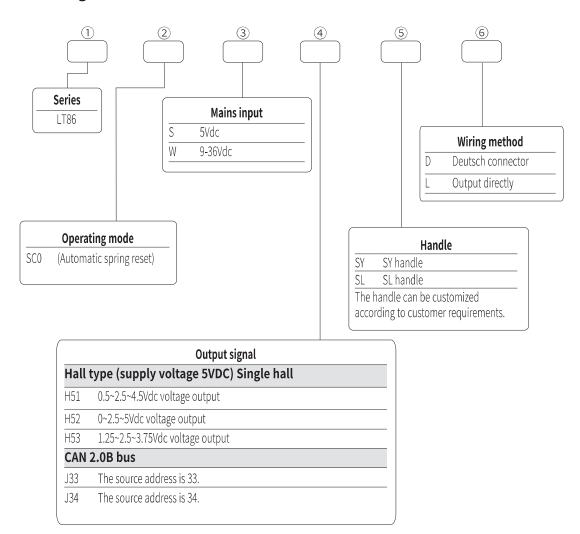
Operating temperature	-30C~+70°C
Storage temperature	-40°C~+85°C
Level of protection	IP65 (Above mounting panel)



Dimensions



Product Configuration



Electrical Connections

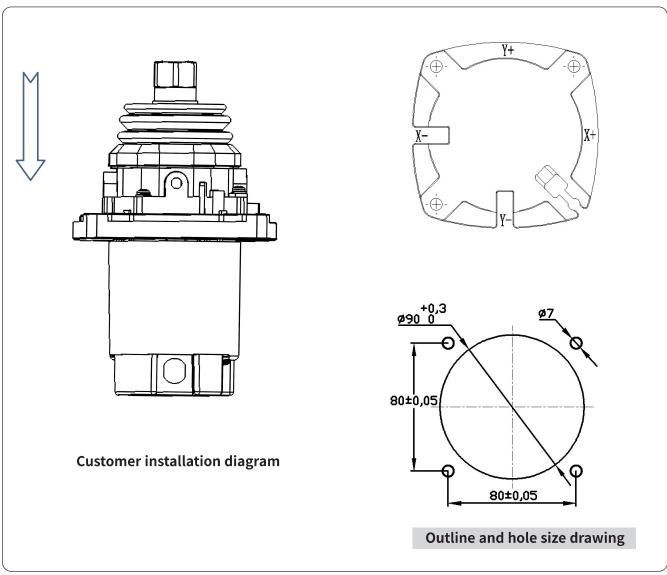
CAN bus

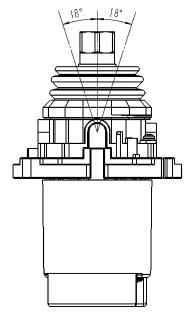
Pin	Outgoing definition
1	Power supply 9-36Vdc
2	The supply voltage is 0V
3	HSCAN
4	LSCAN
5	CAN shield
6	N/A

Hall sensor output definition

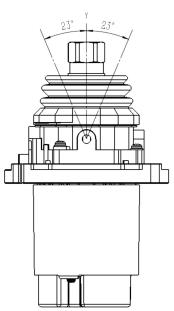
Function
5Vdc mains input
GND
Hall output forward and backward
Hall output in left and right direction

Product Installation





Side-to-side shaking angle



Angle of rocking back and forth