

HC-HF 40 series fingertip type three-axis operating handle



Product features are Product Features

- Using ergonomic principles, small shape, comfortable operation.
- Fingertip type operation, spring self-reset.
- Three-axis large-angle operation in any direction. • The top end can support double buttons.
- Optional RS232 or USB interface output.

Application range is Application

This series of products are mainly used in video control equipment, electric wheelchairs and medical equipment.

Technical parameters, Technical Information

Electrical parameters

Power supply voltage: $5 \pm 0.5\text{Vdc}$ (standard voltage)
$9 \sim 36\text{Vdc}$ (wide voltage)

Maximum power supply current: 22mA (XY axis)
33mA (Z-axis)

Maximum overload voltage	20Vdc
Maximum antipolarity voltage	-10Vdc
resistance	10KQ
Median output voltage	$2.5 \pm 0.1\text{Vdo}$
Linair error of output voltage	$< \pm 4\%$

Mechanical parameters

Shake the Angle	$\pm 28^\circ$ (XY axis); $\pm 42^\circ$ (Z axis)
mode of operation	The bullet sign is automatically reset
tripping force	3N
Maximum operational force	8N

Limit position force	$> 300\text{N}$
life length	> 3 million (XY axis) > 2 million (Z axis)
weight	143.5g

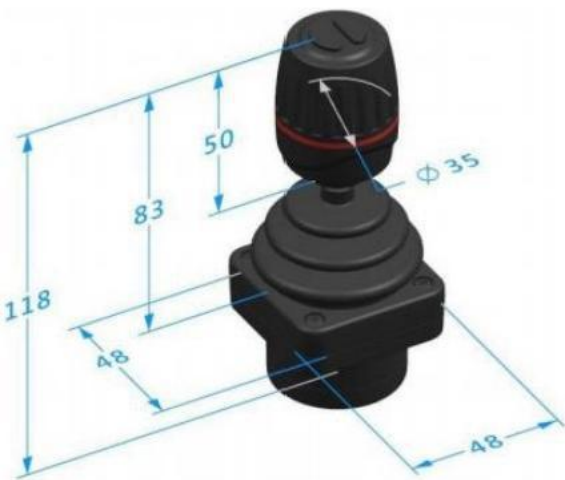
enviromental parameter

Operating temperature: $-30^\circ\text{C} \sim +70^\circ\text{C}$

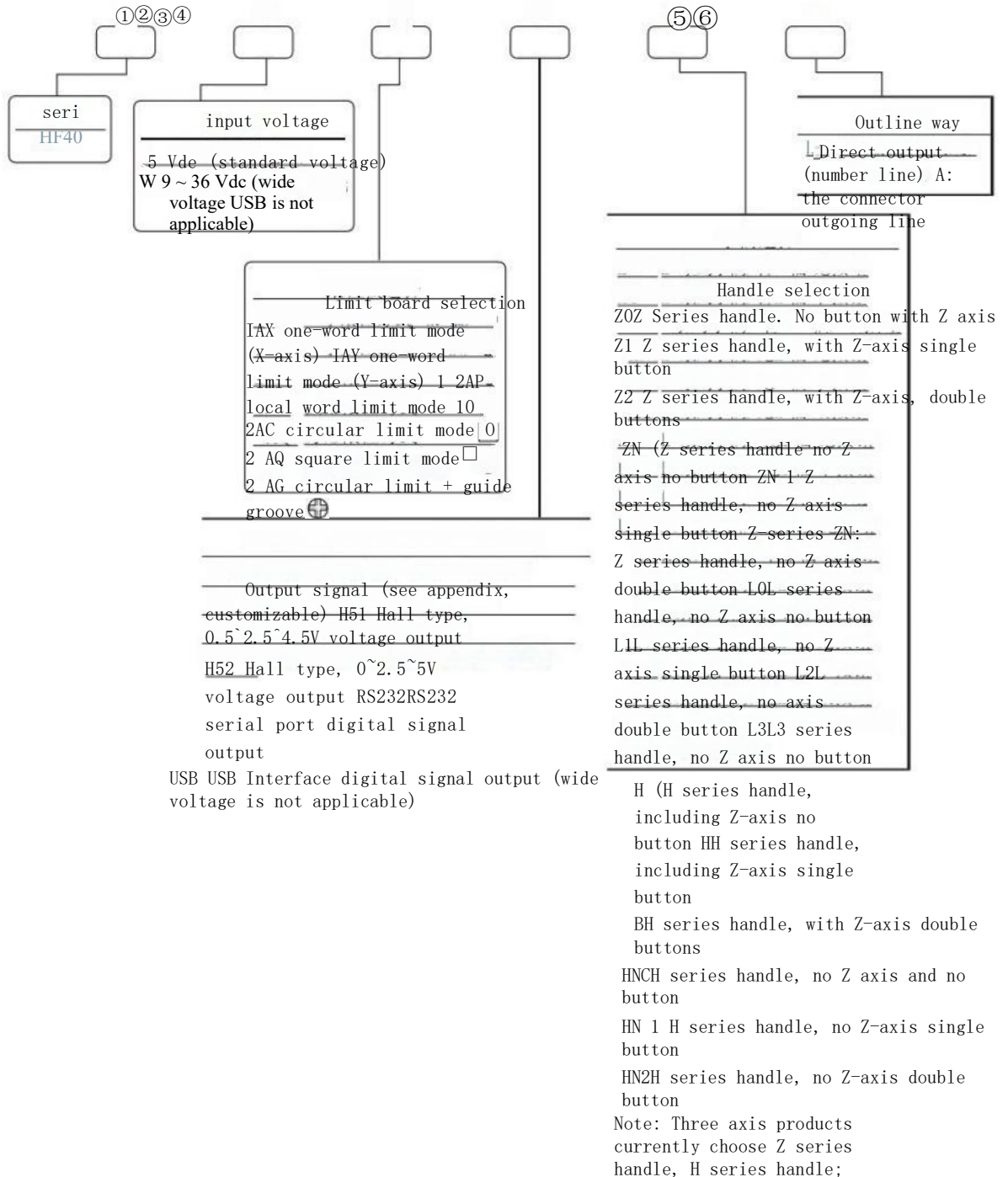
storage temperature

levels of IP 65 (above the mounting panel)

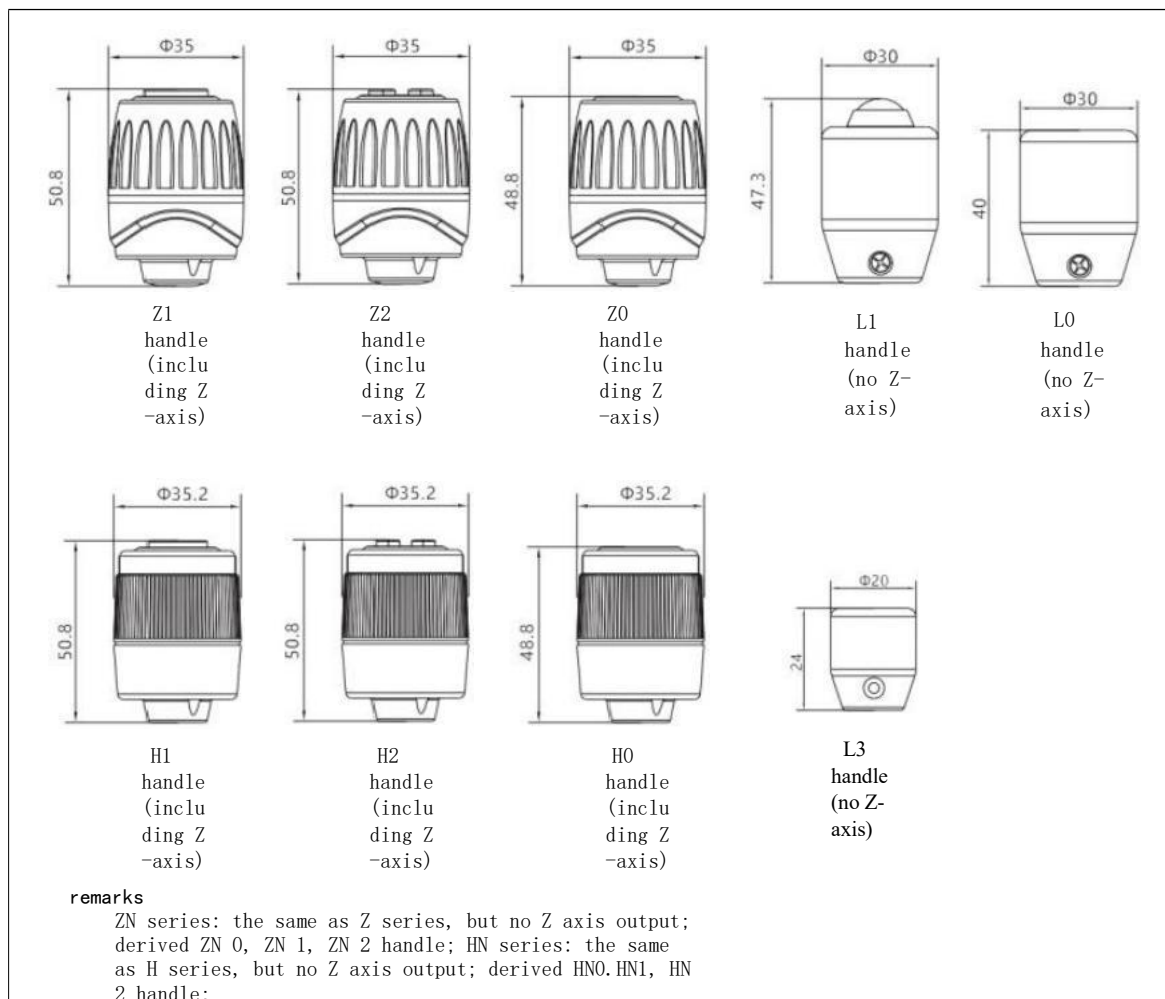
Overall dimension of Dimensions



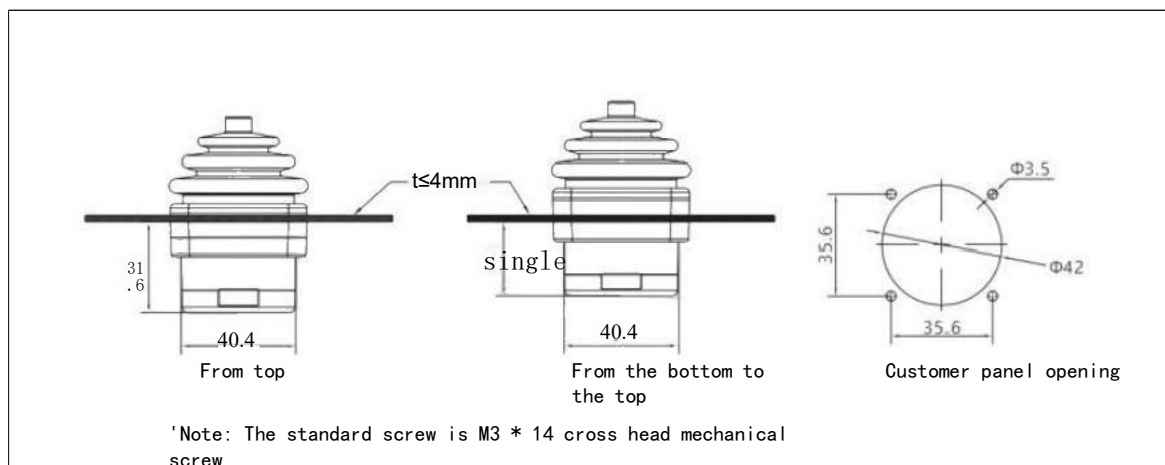
Product selection type Product Configuration



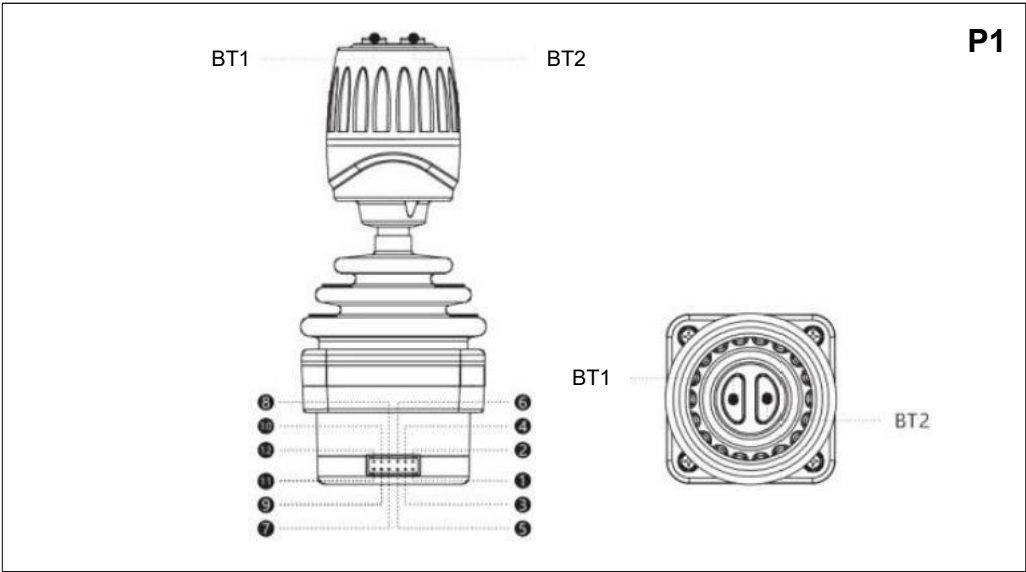
The Handle at the upper end of the handle



Mechanical mounting of the Product Installation



Electrical installation of the Electrical Connections



The way of a single hall connect line

Eight feet out		
subscrip t	Hoare	pigment
	CND	black
2	VCC	red
3	Xout	yellow
4		
5	Yout	hispid arthraxon
6		
7	Zout	blue
8		
9	BT1	palm
10	B1	white
11	31 2	purple
12		

Exit mode 2 redundant Hall wiring

12-core connector for the outgoing line		
subscri pt	Hoare	pigment
	CND	black
2	VCC	red
3	AXout	yellow
4	BX out	Yellow / white
5	AYout	hispid arthraxon
6	BYout	Green / white
7	AZout	blue
8	BZ out	Blue / white
9	BT1	palm
10	BTcom	white
11	BT2	purple
12		/

USB RS232

USB
The USB matches the Type A connection port

RS232
Standard outlet transfer RS232 board, another power wiring;




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