

HC-3000 series fingertip type three-axis operating handle

Product features are Product Features

The use of ergonomic principle, small shape, comfortable operation.

Fingertip type operation, spring self-reset.

Three-axis operation in any direction.

Optional RS 232 or USB interface output.

Application range is Application

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

Therapy equipment.



Technical parameters, Technical Information

Electrical parameters

supply voltage	5±0.5Vdc (Standard voltage)
----------------	-----------------------------

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

Maximum overload voltage	20Vdc
--------------------------	-------

Maximum antipolarity voltage	-10Vdc
------------------------------	--------

resistance	10K Ω
------------	-------

Median output voltage	2.5±0.1Vdc
-----------------------	------------

Linear error of output voltage	<±4%
--------------------------------	------

Mechanical parameters

Shake the Angle	± 28° (XY axis); ± 42° (Z axis)
-----------------	---------------------------------

mode of operation	Spring is reset
-------------------	-----------------

tripping force	automatically 3 N
----------------	----------------------

Maximum operational force	8N >300N
---------------------------	-------------

Limit position	
----------------	--

life length	> 3 million times (XY axis)
-------------	-----------------------------

> 2 million times (Z-axis)

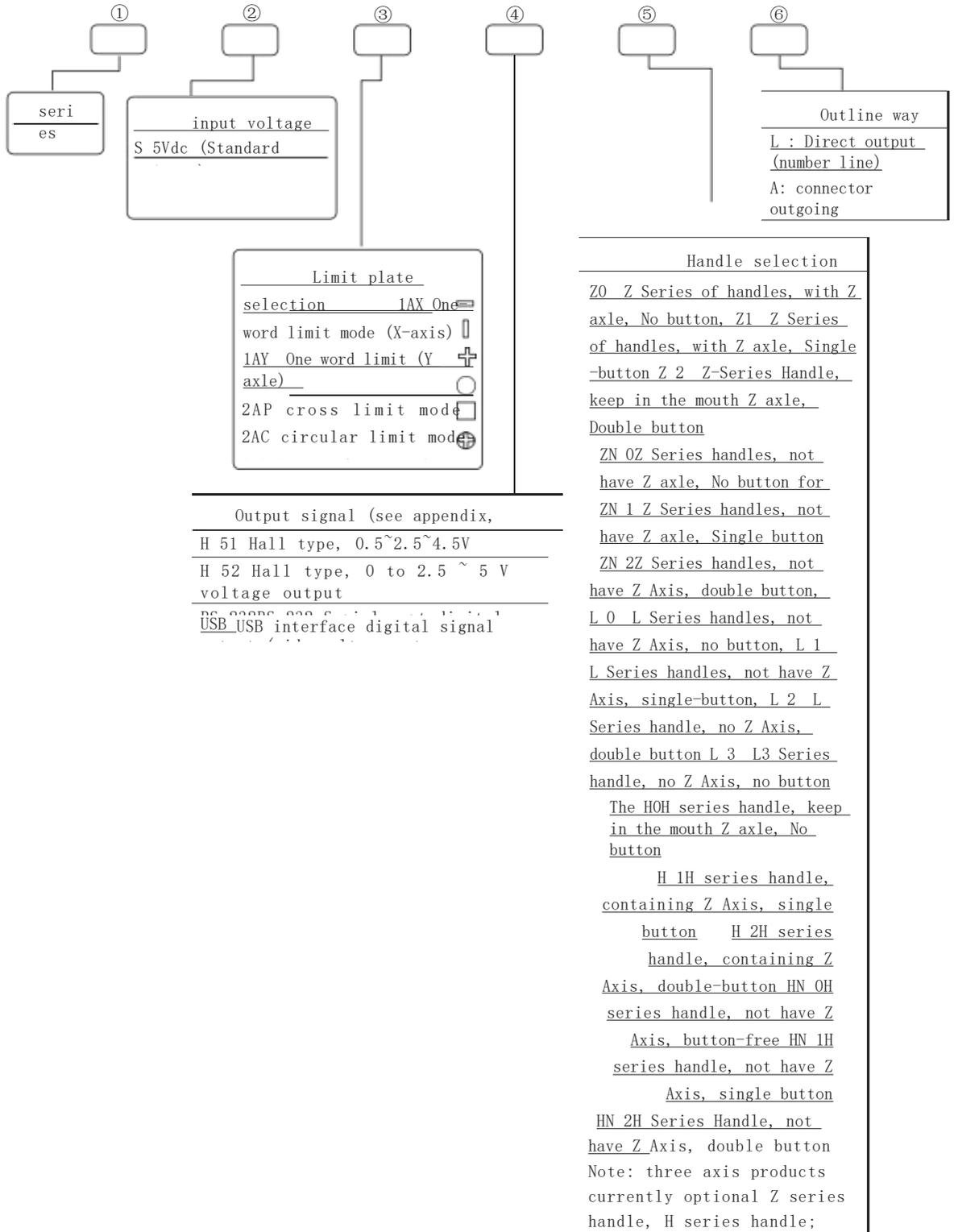
enviromental parameter

Operating temperature: -30°C ~

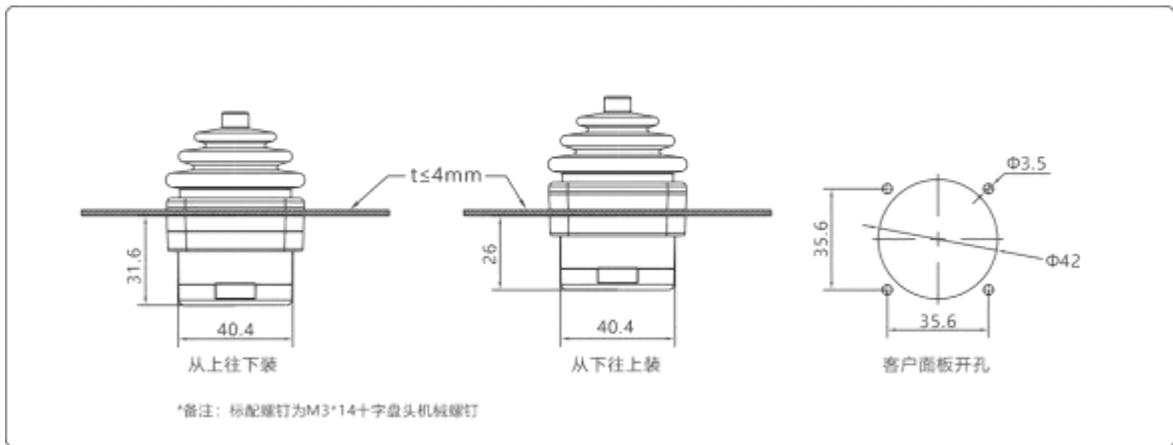
70°C
Storage temperature: -40°C ~ + 85°C

Protection grade IP65 (above mounting panel)

Product selection type Product Configuration



Mechanical mounting of the Product Installation



Electrical installation of the Electrical Connections

The way of a single hall connect line

Eight feet out

subs	Hoar	pigm
1	CND	black
2	VCC	black
3	X	blackish
4	/	/
5	Y out	hispid arthrxon
6	/	blue
7	Z	blue
8	/	blue
9	BT	...
10	BTcom	white
12	/	violet

Exit mode 2 redundant Hall wiring

12-core connector for the outgoing line

subs	Hoar	pigm
1	CND	black
2	VCC	black
3	AX out	blackish
4	BX out	Yellow / white
5	BY out	Green / white
6	AZ out	blue
7	BZ out	Blue
8	BT	...
9	BT 1	...
10	BTcom	white
12	/	violet

U SB



RS 232

