KEY TECHNOLOGY (CHINA) LIMITED
深圳市键特电子有限公司

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Factory ADD.: Floor 7, Building S8, Fenggang Tianan Cyber Park, No. 208 Fenggang Section, Dongshen Road, Fenggang Town, DongGuan, Guang Dong, P.R. China
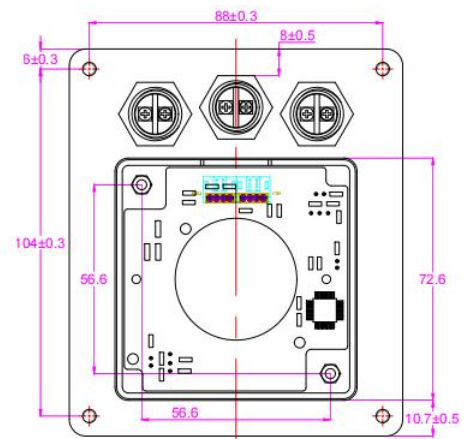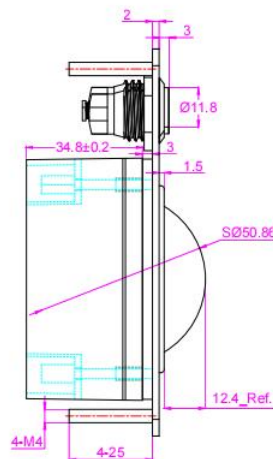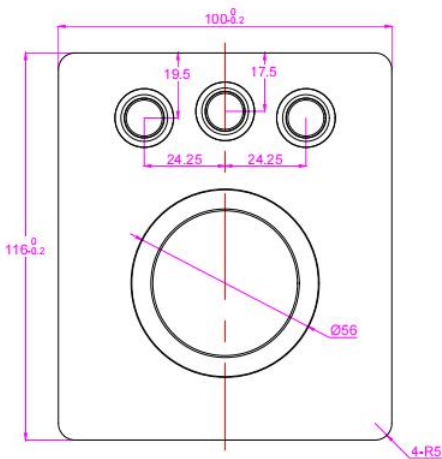Tel:+86 755 89239859,89230460,85232807
Fax:+86 755 89312576
E-mail:info@key-tek.cn,sales01@key-tek.cn
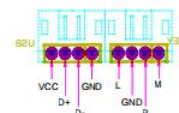Website:www.key-tek.cn,www.rugged-key.com

Model NO.: K-TEK-B100-50-MTB-ML-AVB

DESCRIPTION: IP65 vandal proof trackball with 50.8mm military grade mechanical trackball module with black hardened resin ball, with 200~2000DPI dynamic resolutions, with sealed 3 metal mouse buttons for left and right clicking, middle scrolling button with ball rolling. 1.5 mm top stainless plate and threaded bolts for top panel mounting solution, with optional high quality scratch-proof black titanium electroplated on front stainless steel and optional keys to withstand salt spray, military level with wide temperature of -40°C to +60°C and strong anti-vibration.

DIMENSIONS: 100.0mm x 116.0mm (front panel)

针脚定义

VCC GND L M
D+ GND R
D-

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Main Features:

1. Emulates most popular mice - uses existing mouse driver and mouse software Interfaces for most workstations and computers.

2. All Metal Mechanicals provide for rugged, smooth, long lasting and no noisy operation.

3. Rate Sensitive Dynamic Resolution provides for accelerated movement of the cursor when the ball is moved fast

4. Retaining one-pixel positioning accuracy when the ball is moved slowly.

5. Can be mounted horizontally, and vertically or any directions.

6. No metal bearings inside, operation is smooth and easy without any noise.

APPLICATIONS:

MEDICAL: lab, hospital, clinic, dental, such as carts, diagnostic equipments, operation rooms, dialysis centers etc;

MATERIAL HANDLING: mobile keyboard, data entry, assembly line etc

MILITARY: Army, Navy, Air force

INDUSTRIAL: Industrial automation, pharmaceutical, oil and gas, food and beverage, clean or dirty manufacturing environments, warehouses

MARINE: Ship, boat, vessel, navigation consoles etc.

OTHER INDUSTRIES

Specifications:

ITEM		SPECIFICATION
Mechanical	Key	3 keys, quality brushed stainless steel
	Key top style	Rugged round Keys
	Front Plate	Quality brushed stainless steel
	Key Travel	0.45mm
	Ball diameter	50.0mm
	Key switch lifespan	more than 1 Mio actuations
	Track ball lifespan	> 10 Mio revolutions
	Back Metal Cover	Rear side integrated electronics protected by a metal cover
	Actuation Force	3.2N+/-0.1N
	Dimension	Dimensions with 50mm track ball, Front plate (L x W): 100 x 116mm

Interface	PS2, USB are available, Y type cable with ports of PS2 and USB	
Electrical	Power supply	+5V DC +/-5%
	Protection level	IP65 (front panel), IK09
	EMC Standard	EN 55032:2015, EN 55035:2017
	Power consuming	≤1.00W(dynamic)
		≤0.2W(static)
	Contact Material	Gold/Carbon
Environmental	Operating temperature	-40ºC~+ 60º C
	Storage temperature	-45ºC~+ 65ºC
	Operating RH	30～90%
	Atmospheric pressure	60～106Kpa.
Reliable	Certificates	RoHS compliant, CE and FCC certified, ESD
	MTBF	>20000h
	MTTR	< 30min
OS	**All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed)**	
Packing Details	Each unit to a suitable brown box, suitable brown boxes to a standard export carton.	