



# KEY TECHNOLOGY (CHINA) LIMITED

## 深圳市键特电子有限公司



Head Office: B703, Building 1, Tianan Cyber Park, Huang Ge North Road, Longcheng Subdistrict, Long Gang District, ShenZhen, Guang Dong, P.R. China  
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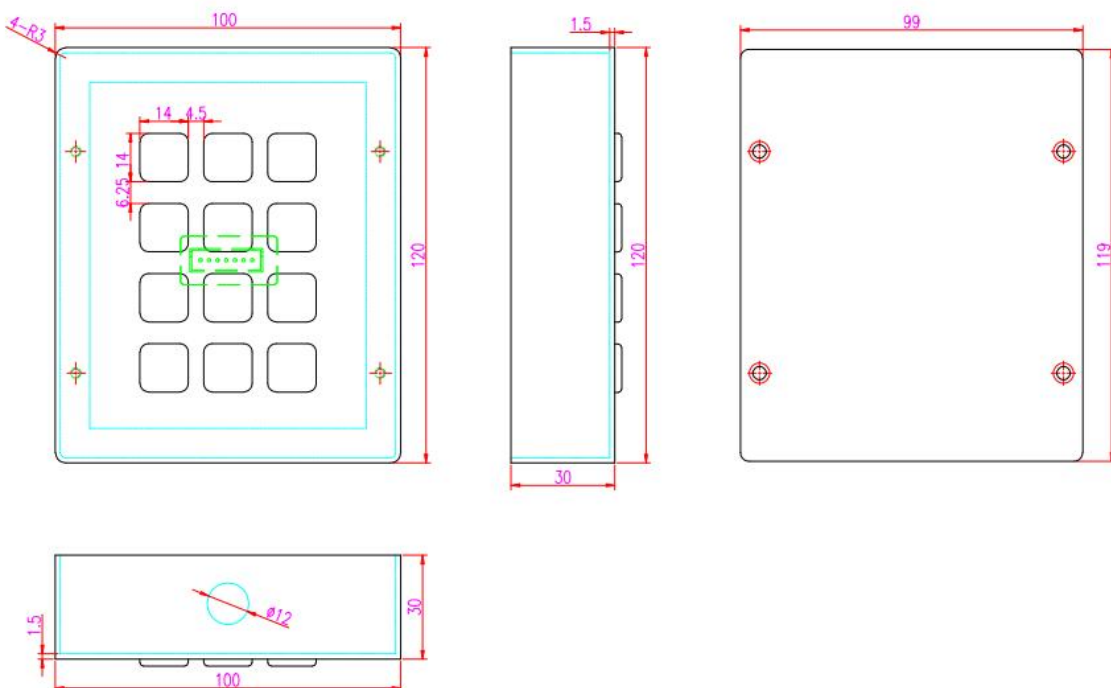
E-mail: info@key-tek.cn, sales01@key-tek.cn

Website: www.key-tek.cn, www.rugged-key.com

**MODEL NO.:** K-TEK-A88KP-BL-DT-DWP

**DESCRIPTION:** 12 Keys Vandal proof IP68 dynamic waterproof stainless steel compact format numeric keypad with fully sealed industrial PCB with industrial electronics controller shielded & protected by desk top stainless steel housing, with industrial PCB carbon-on-gold key switch technology with stroke 1.5mm, movable and stand alone desk top version, stainless steel keys etched out via professional way and filled with transparent epoxy for backlight out. Industrial Backlight (red/blue/white/green) included. Which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, no rust risk and anti-salt spray corrosion.

**DIMENSIONS:** 100.0mm × 120.0mm × 30.0mm(L x W x H)





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### APPLICATION:

This Keypad is mainly targeted for use for unsupervised or semi-supervised positions of varied access applications, internet terminals and information kiosks at universities, shopping malls, hotels, banks, airports, railway-stations and other public areas, ticket vending machines, gas stations, cash machines (ATM/CDM), Internet public phones etc.

### MAIN FEATURE

- Imposing stainless steel design, specially designed keyboards meet the highest demands with regard to design, functionality, longevity and high protection level.
- Stainless steel fascia and key-tops guard willful destruction, vandal-proof, against corrosion, weather-proof especially under extreme climatic conditions, water proof/dirt proof, operation under hostile environments.
- Waterproof/dirt-proof execution according to degree of protection IP68, the whole keyboard is with brushed stainless steel housing to protect against water/dust/oil etc.
- An excellent tactile feel with full-long travel switches and allow users to achieve fast and accurate data input without any noise. With firm tactile perception for comfortable operation.
- Key-tops are laser-etched in legends and characters for easy readability, long life to prevent lettering rub-off.
- Metal keys are protected against twisting and levering which can not be dislodged from front, or defaced removing key covers.
- Ease of customizing with multiple languages, to accommodate foreign or custom variants.

<b>ELECTRICAL DATA</b>	
Supply Voltage	+5V DC +/-5%
Current Rating	150mA
EMC Standard	EN 55032:2015 EN 55035:2017
Lifespan	> 5 years
Switch Contact Material	Carbon-on-Gold key switch technology PCB
Interface	PS2, USB, RS232, RS485 available
OS	All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos-To be confirmed).
<b>COMMUNICATION PARAMETER</b>	
PS2/USB	
1	Standard PS2/USB keyboard interface
2	12 actuators: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, *, #. 3 x 4 scanning code
3	Any customized layout/codes are available upon customers' requirements
RS232	
1	Standard RS232 serial interface
2	Communication velocity: 9600bps
3	Data format: N, 8, 1
4	12 actuators: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, *, #. 3 x 4 scanning code
5	Any customized layout/codes are available upon customers' requirements
<b>MECHANICAL DATA</b>	
Front Plate	1.5mm thickness super quality brushed stainless steel





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Back Plate	1.5mm thickness super quality stainless steel
Actuator/keys	12 keys, super quality SUS304 brushed stainless steel raised key.
Key top style	protuberant rectangular keys, laser engraved & etched legends & raised braille on keys are available
Key Size	14.0mm x 14.0mm for normal keys
Key Travel	1.5mm±0.1mm
Actuation Force	1.5N±0.2N (pressure point)
Switch Life	more than 5 million of operations
G.W.	1.0KGs
<b>ENVIRONMENTAL ADAPTABILITY</b>	
Operating Temperature	-20°C to +65°C
Storage Temperature	-30°C to +75°C
Operating RH	30-90%
Atmospheric Pressure	60-106Kpa
Saline Mist	96 hours, IEC 60512-6
Damp heat test at +40°C	21 days, IEC 60512-6
Dry heat test at +85°C	10 days, IEC 60512-6
<b>RELIABILITY</b>	
RoHS Compliant, CE and FCC, ESD	
Protection Level	IP68
Vandal Resistant	IK08
Key Lifespan	>5 million actuations
MTBF	>20000H
MTTR	<30min
APPLICATIONS	Industrial, coal and mine, medical, bank kiosk and self service terminal, public access, explosion-proof automation, oil and gas etc.

