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

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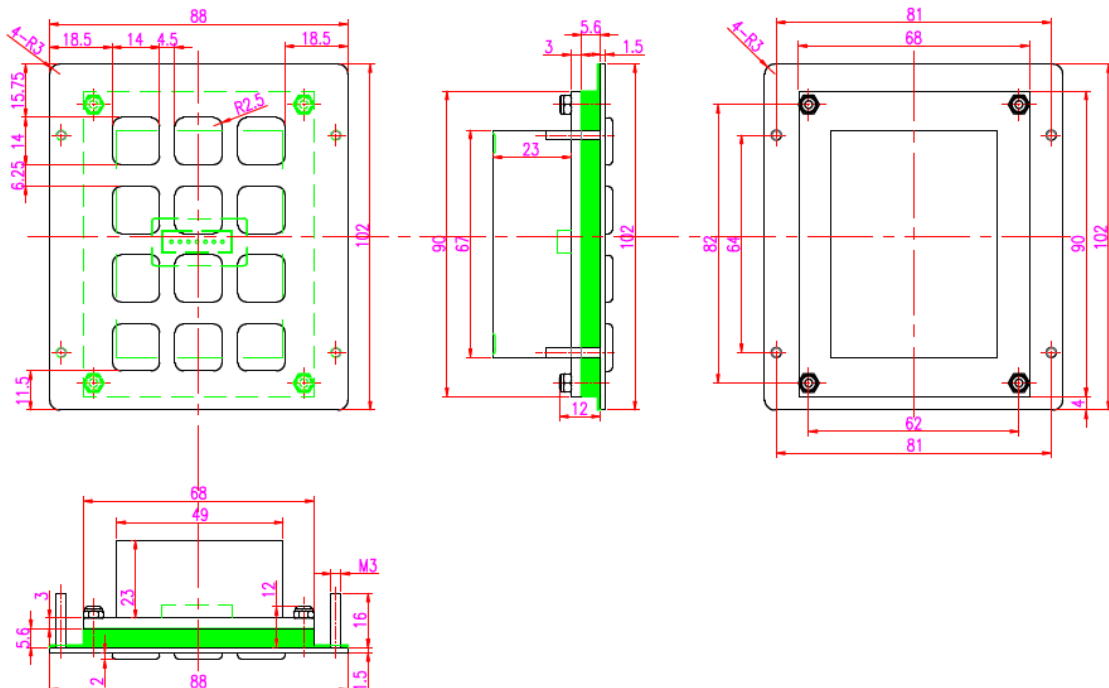Tel: +86 755 89239859, 89230460, 85232807
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MODEL NO.:   K-TEK-A88KP-DWP

DESCRIPTION: 12 Keys Vandal proof IP67 dynamic waterproof stainless steel compact format numeric keypad with electronics controller protected by stainless steel housing which can used in outdoor directly, carbon-on-gold key switch technology with long stroke 2.0mm, with top stainless steel panel mounting with rubber sealing gasket. Backlight optional.

DIMENSIONS: 88.0mm × 102.0mm (front panel)

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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 (ATMs/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 execution according to IP67 protection from top panel, top stainless steel plate with flat keyboard surface for easy cleaning, threaded bolts & sealing gasket for easy tightly mounting to enclosure or panel.
- 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.
- Complete electronic modules including controller in close consultation with our customers are available.

ELECTRICAL DATA

- Supply Voltage: +5V DC +/-5%
- Current Rating: appr. 20mA
- EMC Standard:　It is compliance with the council IEC 61000-4-2:2008；IEC 61000-4-3:2006+AI:2007+A2:2010；IEC 61000-4-4:2004
- EMI: EN 55022: 2010
- EMS: EN 55024:2010
- 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)**

COMMUNICATION PARAMETER

PS2/USB:

- Standard PS2/USB keyboard interface.
- 12 actuators: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9,*, #. 3 x 4 scanning code
- Any customized layout/codes are available upon customers' requirements

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RS232:

- Standard RS232 serial interface.
- Communication velocity: 9600bps.
- Data format: N, 8, 1.
- 12 actuators: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9,*, #. 3 x 4 scanning code, 3 x 4 scanning code.
- Any customized layout/codes are available upon customers' requirements

MECHANICAL DATA

- Actuator/keys: 12 keys, 1.50mm thickness super quality SUS304 brushed stainless steel flat 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: 2.0 mm
- Actuation Force: Actuation Force: 0.6 N+/-0.1N for key 14.0mm x 14.0mm (pressure point),
- Switch life: more than 10 million of operations.
- Front Plate: 1.5mm thickness super quality brushed stainless steel
- Back Stainless steel housing: 1.0mm thickness super quality stainless steel
- G.W.: 0.60KGs
- Dimensions: 88.0mm x 102.0mm (L x W)

ENVIRONMENTAL ADAPTABILITY

- Operating temperature:-20°C to +60°C
- Storage temperature: -30°C to +70°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

RELIABILITY

- **RoHS Compliant, CE and FCC, ESD**
- **Protection Level: IP67(front panel)**
- **Vandal resistant IK10**
- Key Lifespan >10 million actuations
- MTBF >50000H
- MTTR <30min