

Product Catalog 2016

Access Control Keypad



TABLE OF CONTENTS

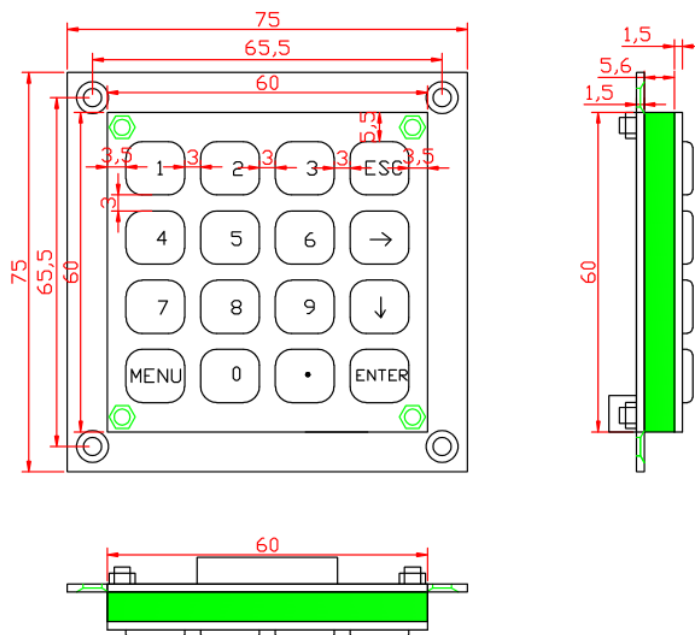
TABLE OF CONTENTS	2
ACCESS CONTROL KEYPAD.....	3
PRI-KYB-A60NKP-AC	3
PRI-KYB-A68NKP-AC	5
PRI-KYB-B68NKP-AC	7
PRI-KYB-B80NKP-AC	9
PRI-KYB-A82NKP-AC	10
PRI-KYB-B82NKP-AC	11
PRI-KYB-A88NKP-AC	12
PRI-KYB-B88NKP-AC	14
PRI-KYB-B100NKP-43-AC	16
PRI-KYB-A120NKP-AC	18
PRI-KYB-B120NKP-AC	20
PRI-KYB-B120NKP-AC-20	22
PRI-KYB-B139NKP-AC-20	24
PRI-KYB-B139NKP-AC-24	26
PRI-KYB-B155NKP-AC	28
PRI-KYB-B160NKP-AC	30

ACCESS CONTROL KEYPAD

PRI-KYB-A60NKP-AC

Description: 16 keys MINI compact format IP65 dynamic waterproof and vandal proof Stainless Steel industrial dot matrix keypad with industrial PCB with socket on the back panel for connecting electronics controller, with industrial PCB with carbon-on-gold key switch technology with long stroke (2.0mm) with extremely good tactile feeling for fast and accurate data input without any noise, one complete silicone rubber along rear mounting stainless steel plate for easy mounting & sealing tightly with cabinet.

Dimension: 60.0mm x60.0mm (front panel)



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 IP65 protection from top panel, top stainless steel plate with threaded bolts and 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.

MECHANICAL DATA:

Front plate: Super quality SUS304 brushed stainless steel

Back plate: Super quality SUS304 stainless steel

Actuator/Key: 16 keys, super quality SUS304 brushed stainless steel

Key top style: protuberant rectangular keys, with laser engraved and etched legends and raised dots available.

Switching material: Carbon-on-Gold.

Actuation Force: 0.6N +/-0.1N (pressure point),

Key Travel: 2.0mm.

Key life: 10 million of operation

Dimensions: 60.0mm x 60.0mm.

G.W. 0.50KGs.

ENVIRONMENTAL ADAPTABILITY:

Operating temperature: -20oC to +60oC

Storage temperature: -30oC to +70oC

Operating RH: 30-90%

Atmospheric pressure: 60-106Kpa.

Saline mist: 96 hours, IEC 60512-6

Damp heat test at + 40oC: 21 days, IEC 60512-6

Dry heat test at + 85oC: 10 days, IEC 60512-6

RELIABILITY:

RoHS Compliant, CE and FCC, ESD

Protection Level: IP65(front panel)

Vandal resistant IK09

Key Lifespan >10 million actuations

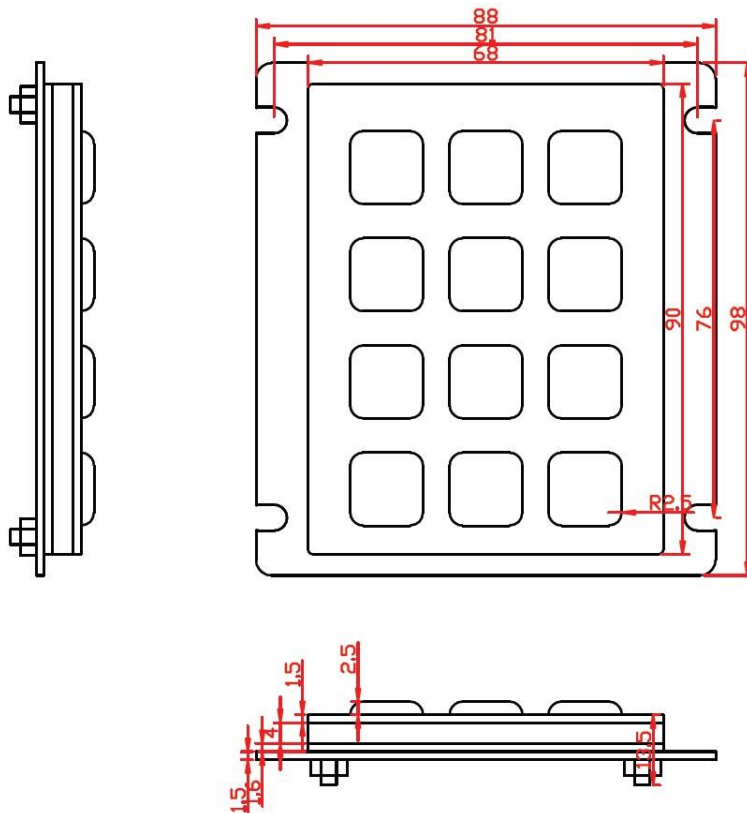
MTBF >50000H

MTTR <30min

PRI-KYB-A68NKP-AC

Description: 12 keys compact format IP65 dynamic water proof and vandal proof Stainless Steel industrial dot matrix keypad with industrial PCB with socket on the back panel for connecting electronics controller, with industrial PCB with carbon-on-gold key switch technology with long stroke (2.0mm) with extremely good tactile feeling for fast and accurate data input without any noise, rear stainless steel plate with mounting holes for rear panel mounting. Industrial Backlight (red/blue/white/green) optional.

Dimension: 68mm x 90mm (front panel)



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 IP65 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 short stroke switches and allow users to achieve stable and accurate data input, 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.

MECHANICAL DATA

Actuator/keys: 12 keys, 1.50mm thickness super quality SUS304 brushed stainless steel flat key.

Key top style: Non-protuberant rectangular keys, laser engraved & etched legends & raised braille on keys are available

Key Size: 14.0mm x 14.0mm for normal keys, 14.0mm x 28.0mm for enter key

Key travel: 2.0mm

Actuation Force: 2.0N+/-0.1N for key 14.0mm x 14.0mm (pressure point) 4.0N+/-0.1N for key 14.0mm x 28.0mm (pressure point)

Switch life: more than 5 million of operations.

Front Plate: 1.5mm thickness super quality brushed stainless steel

Back Plate: 1.5mm thickness super quality stainless steel

G.W.: 0.30KGs

Dimension: 68.0mm x 90.0mm (Front Panel)

ENVIRONMENTAL ADAPTABILITY

Operating temperature: -20oC to +60oC

Storage temperature: -30oC to +70oC

Operating RH: 30-90%

Atmospheric pressure: 60-106Kpa.

Saline mist: 96 hours, IEC 60512-6

Damp heat test at + 40oC: 21 days, IEC 60512-6

Dry heat test at + 85oC: 10 days, IEC 60512-6

RELIABILITY

RoHS Compliant, CE and FCC, ESD

Protection Level: IP65(front panel)

Vandal resistant IK09

Key Lifespan >5 million actuations

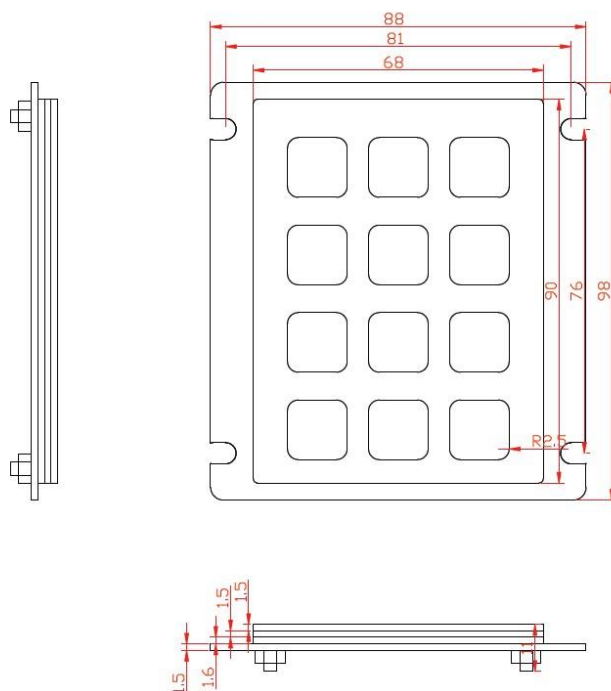
MTBF >50000H

MTTR <30min

PRI-KYB-B68NKP-AC

Description: 12 keys compact format IP65 dynamic water proof and vandal proof Stainless Steel industrial dot matrix keypad with industrial metal dome PCB with socket on the back panel for connecting electronics controller, industrial metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with excellent tactile feeling for stable and accurate data input, rear stainless steel plate with mounting holes for rear panel mounting. Industrial Backlight (red/blue/white/green) optional

.Dimension: 68mm x 90mm (front panel)



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 IP65 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 short stroke switches and allow users to achieve stable and accurate data input, 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.

MECHANICAL DATA

Actuator/keys: 12 keys, 1.50mm thickness super quality SUS304 brushed stainless steel flat key.

Key top style: Non-protuberant rectangular keys, laser engraved & etched legends & raised braille on keys are available

Key Size: 14.0mm x 14.0mm for normal keys, 14.0mm x 28.0mm for enter key

Key travel: 0.45mm

Actuation Force: 2.0N+/-0.1N for key 14.0mm x 14.0mm (pressure point) 4.0N+/-0.1N for key 14.0mm x 28.0mm (pressure point)

Switch life: more than 5 million of operations.

Front Plate: 1.5mm thickness super quality brushed stainless steel

Back Plate: 1.5mm thickness super quality stainless steel

G.W.: 0.30KGs

Dimension: 68.0mm x 90.0mm (Front Panel)

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: IP65(front panel)

Vandal resistant IK10

Key Lifespan >5 million actuations

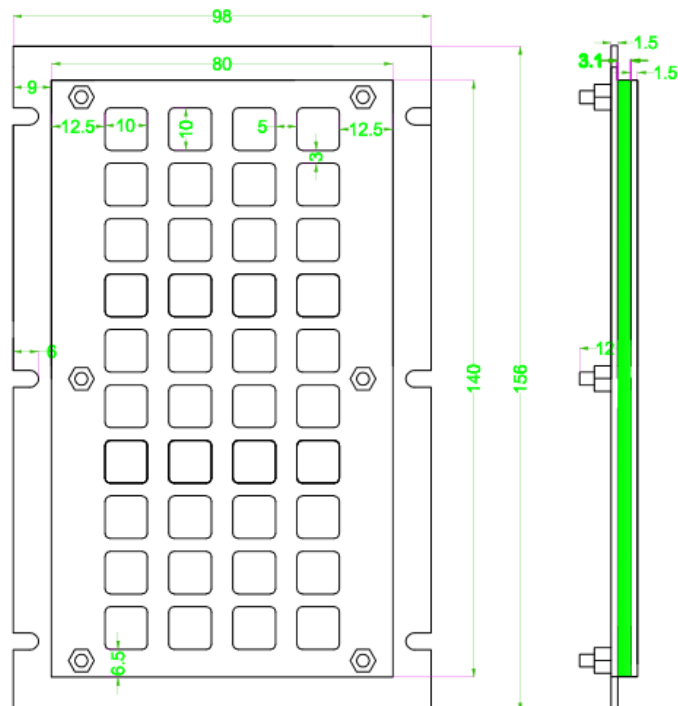
MTBF >50000H

MTTR <30min

PRI-KYB-B80NKP-AC

DESCRIPTION: 40 keys vandal proof IP65 stainless steel keypad with dot matrix circuit with socket on the back panel of PCB for connecting electronics controller, with metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with tactile feeling for stable and accurate input, rear mounted.

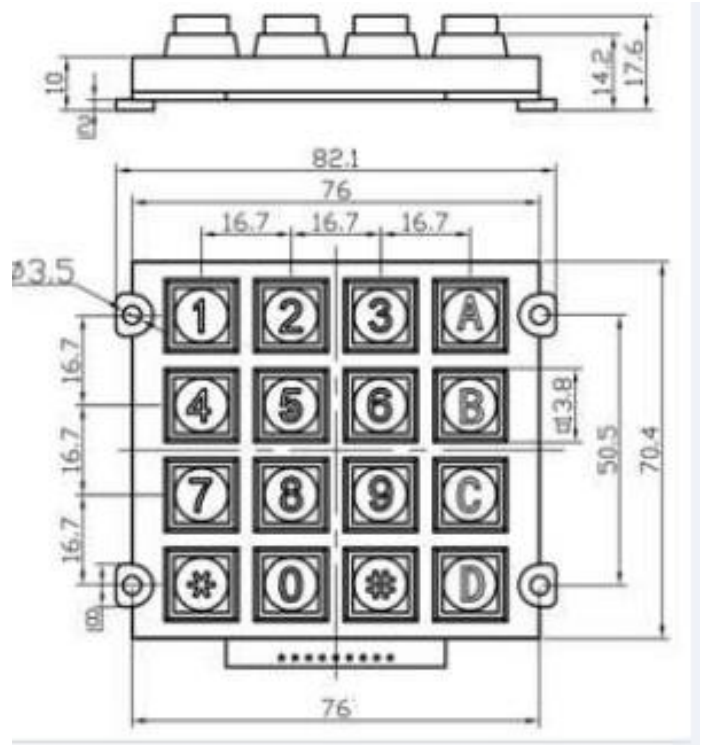
- **16 actuator on the keypad:** Any keys can be re-defined per customers' requirements.
- **Dimensions:** 80mm x 140mm
- **G.W.:** 0.80 kgs.



PRI-KYB-A82NKP-AC

DESCRIPTION: 16 keys compact format IP 65 vandal proof metal dot matrix keypad with Zinc alloy chromed keys and frame, with industrial PCB with carbon-on-gold key switch with long stroke 2.0mm, rear panel mounted, dot matrix keypad without electronics controller. Blue backlight optional.

Dimensions: 82.10mm x 70.40mm (front panel)



Main features

- 1) Highly anti-destructive power,
- 2) Force 160-180 grams, nimble dial-up
- 3) Contact resistance < 100 Ω
- 4) Service life ≥ 500 thousand
- 5) Ambient temperature -20~+50 °C
- 6) Relative humidity ≤ 95%
- 7) Atmospheric pressure 80~106kPa
- 8) Defense grade IP65~IP67

Main components

- 1) Alloy chrome-plated button and framework
- 2) Natural electrical conductive silicon rubber
- 3) Epoxy resin gilding

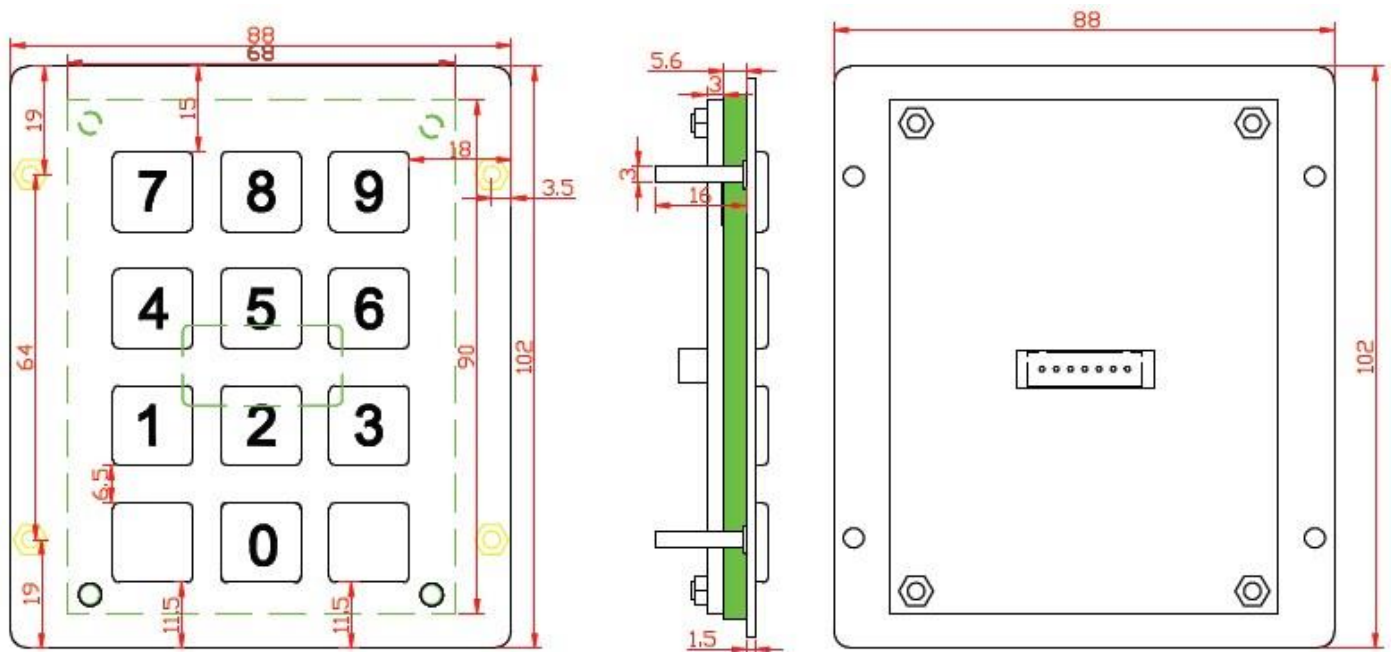
PCB Users choice

- 1) Button chrome-plated colors: polished or sandblasted chrome.
- 2) Zinc alloy – plated of the framework's colors: polished or sandblasted chrome
- 3) Other usage keyboard is available besides using for telephone and access control systems.

PRI-KYB-A88NKP-AC

DESCRIPTION: 12 keys compact format IP65 dynamic water proof and vandal proof Stainless Steel industrial dot matrix keypad with industrial PCB with socket on the back panel for connecting electronics controller, with industrial PCB with carbon-on-gold key switch technology with long stroke (2.0mm) with extremely good tactile feeling for fast and accurate data input without any noise, top stainless steel plate with welded studs and sealing gasket for easy tightly mounting to enclosure or panel. Industrial Backlight (red/blue/white/green) optional.

DIMENSIONS: 88.0mm x 102.0mm (top panel)



MAIN FEATURE

- Stainless steel fascia and key-tops guard willful destruction, against corrosion, shock, dust, falling raining, splashing, hose-directed water and vandal resistant, operation under hostile environments.
- key-tops are sunk laser-etched in legends and characters via using high quality ink for easy readability, long life to prevent lettering rub-off. Or protrusive engraving available.
- With carbon-on-gold key contact with long stroke 2.0mm, with unique double over-travel protection.
- Waterproof/dirt-proof execution according to degree of protection IP65, waterproof and dirt proof encapsulation with unique membrane.
- **OS: Windows95/98/NT/ME/2000/2003/XP/Vista/WIN7, Linux, Unix, Mac OSX**

COMMUNICATION PARAMETER(OPTIONAL)

- USB, PS2 or RS232 are all available.
- 12 actuator on the keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, *, #. Any keys can be re-defined per customers' requirements.

MECHANICAL DATA

- Switching material: Carbon-on-Gold.
- Actuation Force: 0.6N +/-0.1N (pressure point).
- Key Travel: 2.0mm.
- Lettering: laser engraving, or raised letters.
- Front panel: brushed stainless steel.
- Actuator/keys materials: stainless steel.
- Dimensions: 88.0mm x 102.0mm.
- G.W.: 0.50 kgs.

ELECTRICAL DATA

- Power supply voltage: 5V DC.
- Power Consumption: Under 300mW for operation, under 200mW for non-operation.
- Electrical lifetime: > 5 years.
- EMC:EN55022(B).

ENVIRONMENTAL ADAPTABILITY

- Operating temperature:-20°C to +60°C.
- Storage temperature: -30°C to +70°C.
- Operating RH: 30-90%.
- Atmospheric pressure: 60-106Kpa.

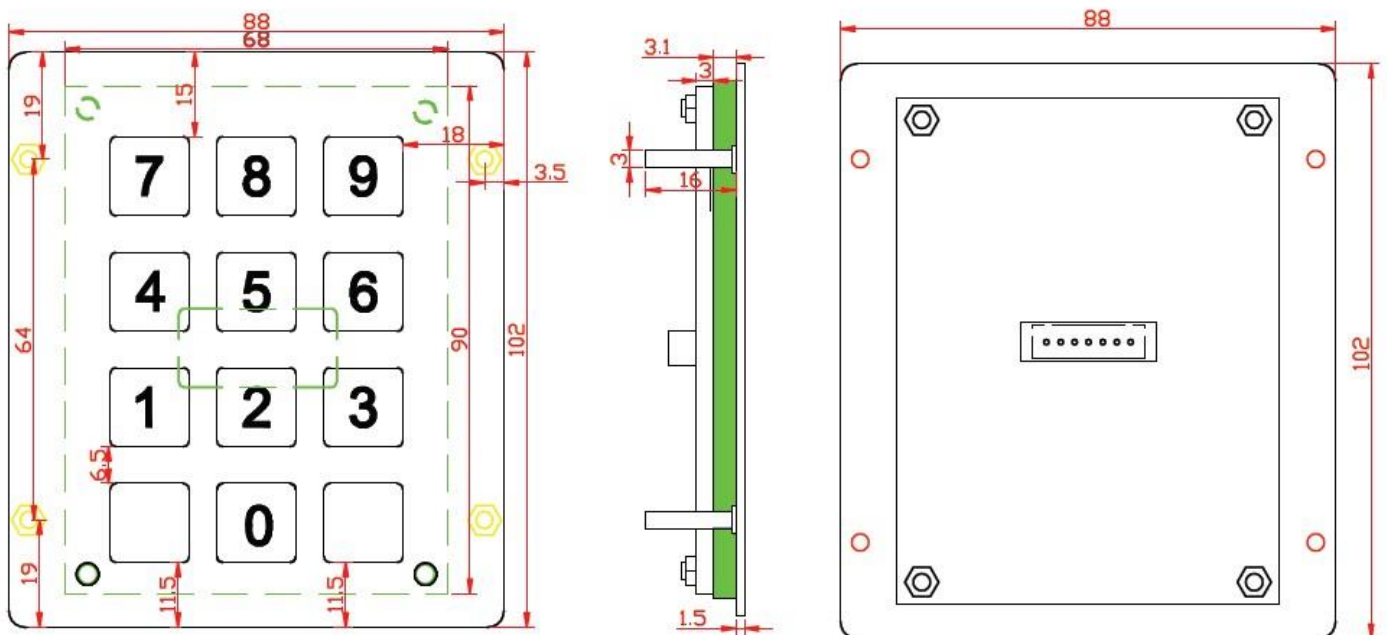
RELIABILITY

- RoHS Compliant, CE and FCC,ESD
- Protection Level: IP65(front panel)
- Vandal resistant IK09
- Key Lifespan >10 million actuations.
- MTBF >50000H.
- MTTR <30min.

PRI-KYB-B88NKP-AC

DESCRIPTION: 12 keys compact format IP65 dynamic water proof and vandal proof and Stainless Steel industrial dot matrix keypad with industrial metal dome PCB with socket on the back panel for connecting electronics controller, industrial metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with excellent tactile feeling for stable and accurate data input, top stainless steel plate with welded studs and sealing gasket for easy tightly mounting to enclosure or panel. Industrial Backlight (red/blue/white/green) optional.

DIMENSIONS: 88.0mm x 102.0mm (top panel)



MAIN FEATURE

- Stainless steel fascia and key-tops guard willful destruction, against corrosion, shock, dust, falling raining, splashing, hose-directed water and vandal resistant, operation under hostile environments.
- key-tops are sunk laser-etched in legends and characters via using high quality ink for easy readability, long life to prevent lettering rub-off. Or protrusive engraving available.
- With firm tactile key feel, short travel switches, with unique double over-travel protection.
- Waterproof/dirt-proof execution according to degree of protection IP65, waterproof and dirt proof encapsulation with unique membrane.
- **OS: Windows95/98/NT/ME/2000/2003/XP/Vista/WIN7, Linux, Unix, Mac OSX**

COMMUNICATION PARAMETER(OPTIONAL)

- USB, PS2 or RS232 are all available.
- 12 actuator on the keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, *, #. Any keys can be re-defined per customers' requirements.

MECHANICAL DATA

- Switching material: Gold-on-Gold.
- Actuation Force: 2.0+/-0.1N (pressure point).
- Key Travel: 0.45mm.
- Lettering: laser engraving, or raised letters.
- Front panel: brushed stainless steel.
- Actuator/keys materials: stainless steel.
- Dimensions: 88.0mm x 102.0mm.
- G.W.: 0.50 kgs.

ELECTRICAL DATA

- Power supply voltage: 5V DC.
- Power Consumption: Under 300mW for operation, under 200mW for non-operation.
- Electrical lifetime: > 5 years.
- EMC:EN55022(B).

ENVIRONMENTAL ADAPTABILITY

- Operating temperature: -20°C to +60°C.
- Storage temperature: -30°C to +70°C.
- Operating RH: 30-90%.
- Atmospheric pressure: 60-106Kpa.

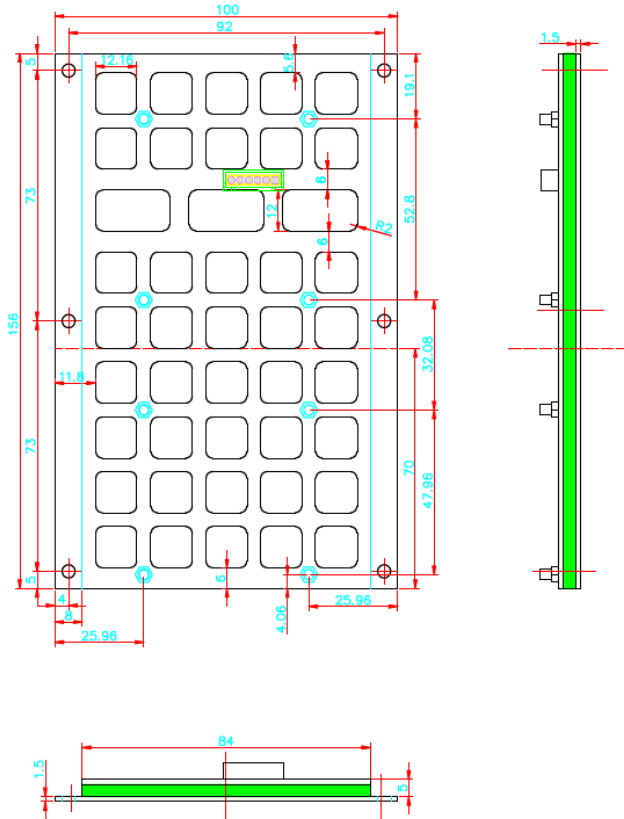
RELIABILITY

- RoHS Compliant, CE and FCC,ESD
- Protection Level: IP65(front panel)
- Vandal resistant IK10
- Key Lifespan >5 million actuations .
- MTBF >50000H.
- MTTR <30min

PRI-KYB-B100NKP-43-AC

DESCRIPTION: 43 keys compact format IP65 dynamic vandal proof Stainless Steel industrial dot matrix keypad with industrial metal dome PCB with socket on the back panel for connecting electronics controller, industrial metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with excellent tactile feeling for stable and accurate data input, with mounting holes on rear stainless steel plate for panel mounting.

DIMENSIONS: 100.0mm x 156.00mm (top panel)



MAIN FEATURE

- Stainless steel fascia and key-tops guard willful destruction, against corrosion, shock, dust, falling raining, splashing, hose-directed water and vandal resistant, operation under hostile environments.
- Internet friendly key layout, key-tops are sunk laser-etched in legends and characters via using high quality ink for easy readability, long life to prevent lettering rub-off. Or protrusive engraving available.
- With firm tactile key feel, short travel switches, with unique double over-travel protection.
- Waterproof/dirt-proof execution according to degree of protection IP65/IP54, waterproof and dirt proof encapsulation with unique membrane.
- Easily mounting into enclosure or panel, and is provided with PS/2, connection output cables that plug directly into the host computer for normal keypad operations.
- **OS: All windows, Linux, Unix, Mac OSX**

COMMUNICATION PARAMETER

- USB, PS2, RS232 interface are all available.
- 43 actuator on the keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A-Z keys, * right arrow, left arrow Any keys can be re-defined per customers' requirements.

MECHANICAL DATA

- Actuation Force: 1.2N +/-0.1N (pressure point).
- Key Travel: 0.45mm.
- Lettering: laser engraving, or raised letters.
- Front panel: brushed stainless steel.
- Actuator/keys materials: stainless steel.
- Dimensions: 100.0mm x 156.0mm.
- G.W. 1.0KGs

ELECTRICAL DATA

- Switching material: Gold-on-Gold.
- Power supply voltage: 5V DC.
- Power Consumption: Under 300mW for operation, under 200mW for non-operation.
- Electrical lifetime: > 5 years.
- 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
- Communication interface: PS2, or USB available.

ENVIRONMENTAL ADAPTABILITY

- Operating temperature:-20°C to +60°C.
- Storage temperature:-30°C to +70°C.
- Operating RH: 30~90%.
- Atmospheric pressure: 60~106Kpa.

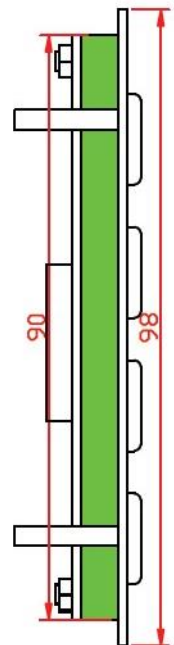
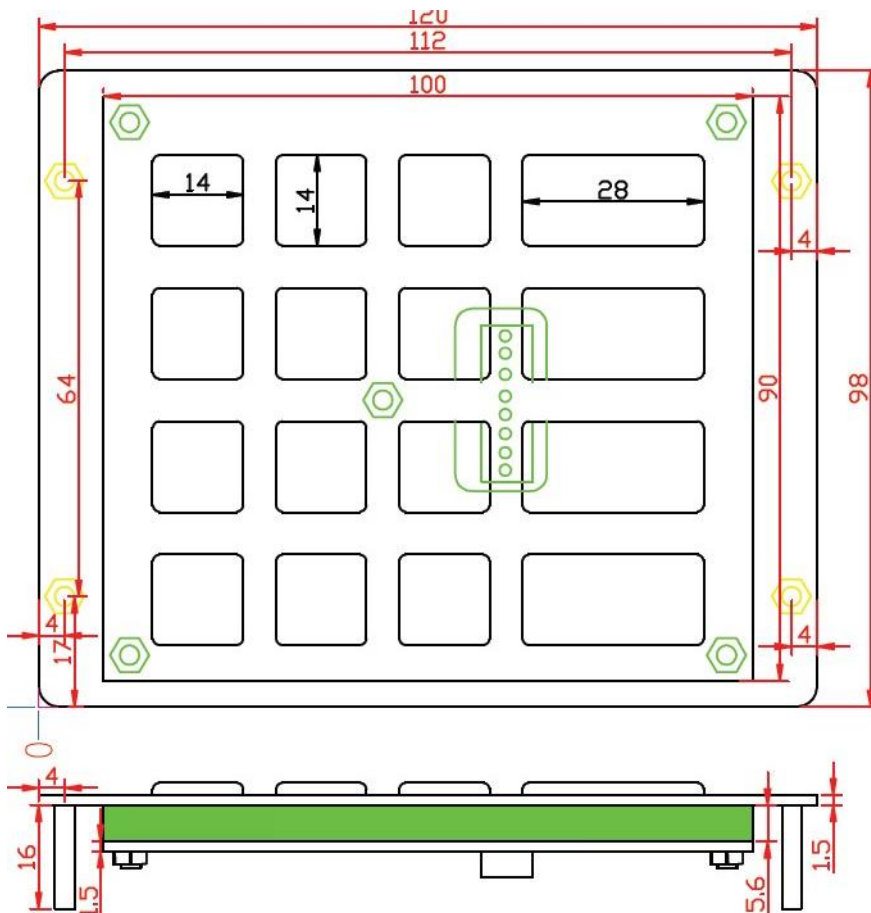
RELIABILITY

- **RoHS Compliant, CE and FCC, ESD**
- **Protection Level: IP65(front panel)**
- **Vandal resistant IK10**
- Key Lifespan >5 million actuations.
- MTBF >50000H
- MTTR <30min.

PRI-KYB-A120NKP-AC

DESCRIPTION: 16 keys compact format IP65 dynamic waterproof and vandal proof Stainless Steel industrial dot matrix keypad with industrial PCB with socket on the back panel for connecting electronics controller, with industrial PCB with carbon-on-gold key switch technology with long stroke (2.0mm) with extremely good tactile feeling for fast and accurate data input without any noise, top stainless steel plate with welded studs for top panel mounted, with sealing gasket for easy and tight sealing. Industrial backlight (red/blue/white/green) optional.

DIMENSIONS: 120.0mm x 98.0mm (Front Panel)



MAIN FEATURE

- Stainless steel fascia and key-tops guard willful destruction, against corrosion, shock, dust, falling raining, splashing, hose-directed water and vandal resistant, operation under hostile environments.
- key-tops are sunk laser-etched in legends and characters via using high quality ink for easy readability, long life to prevent lettering rub-off. Or protrusive engraving available.
- With carbon-on-gold key contact with long stroke 2.0mm, with unique double over-travel protection.
- Waterproof/dirt-proof execution according to degree of protection IP65, waterproof and dirt proof encapsulation with unique membrane.
- **OS: Windows95/98/NT/ME/2000/2003/XP/Vista/WIN7, Linux, Unix, Mac OSX**

COMMUNICATION PARAMETER(OPTIONAL)

- USB, PS2 or RS232 are all available.
- 16 actuator on the keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., Exit, P-Up, P-Down, Enter, Clear, 4 x 4 scanning code. Any keys can be re-defined per customers' requirements.

MECHANICAL DATA

- Switching material: Carbon-on-Gold.
- Actuation Force: 0.6N +/-0.1N (pressure point).
- Key Travel: 2.0mm.
- Lettering: laser engraving, or raised letters.
- Front panel: brushed stainless steel.
- Actuator/keys materials: stainless steel.
- Dimensions: 120.0mm x 98.0mm (Front Panel)
- G.W.: 0.70 kgs.

ELECTRICAL DATA

- Power supply voltage: 5V DC.
- Power Consumption: Under 300mW for operation, under 200mW for non-operation.
- Electrical lifetime: > 5 years.
- EMC:EN55022(B).

ENVIRONMENTAL ADAPTABILITY

- Operating temperature:-20°C to +60°C.
- Storage temperature: -30°C to +70°C.
- Operating RH: 30-90%.
- Atmospheric pressure: 60-106Kpa.

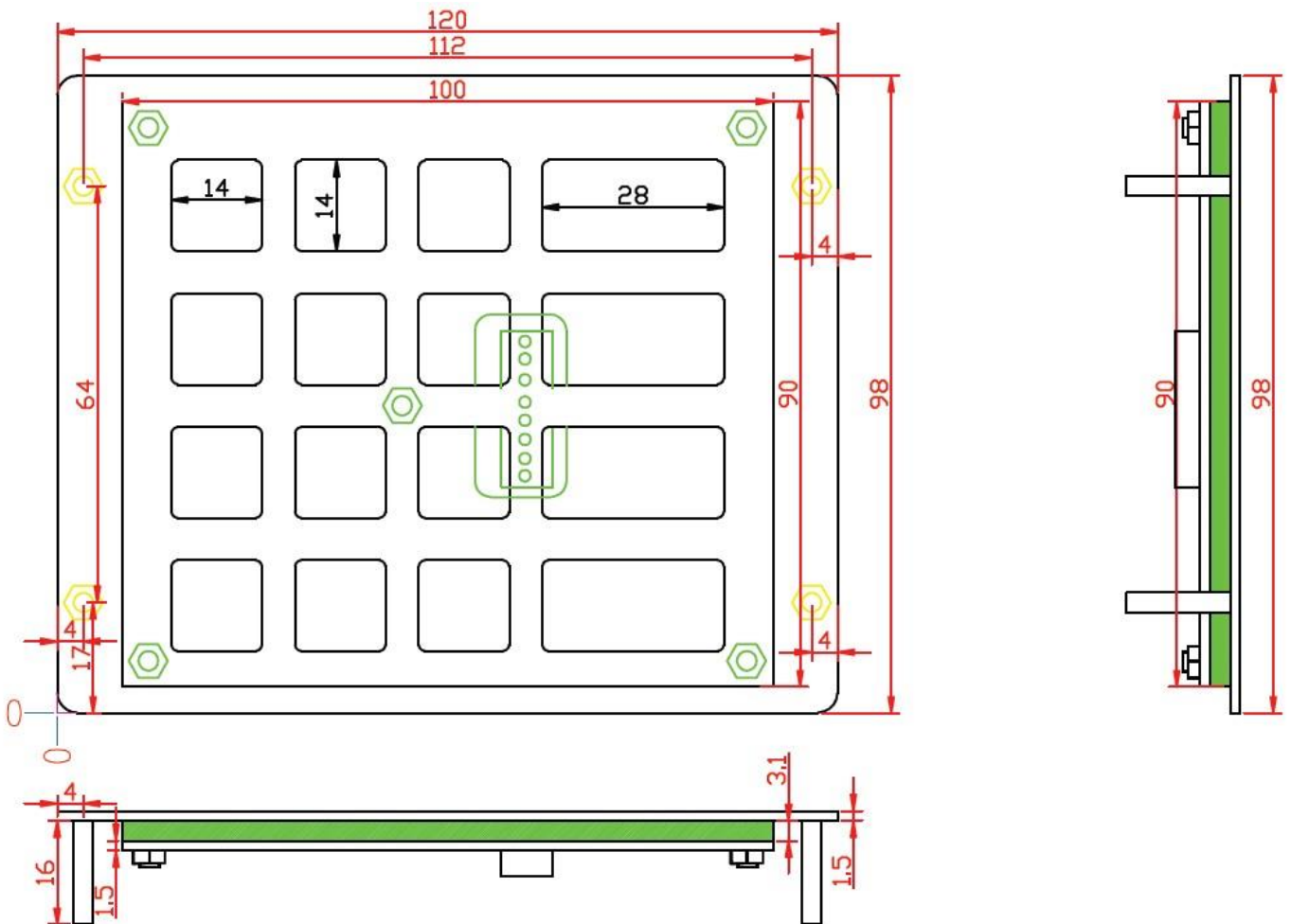
RELIABILITY

- RoHS Compliant, CE and FCC,ESD
- Protection Level: IP65(front panel)
- Vandal resistant IK09
- Key Lifespan >10 million actuations.
- MTBF >50000H.
- MTTR <30min.

PRI-KYB-B120NKP-AC

DESCRIPTION: 16 keys compact format IP65 dynamic waterproof and vandal proof Stainless Steel industrial dot matrix keypad with industrial metal dome PCB with socket on the back panel for connecting electronics controller, with industrial metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with excellent tactile feeling for stable and accurate data input, top stainless steel plate with welded studs for top panel mounted, with sealing gasket for easy and tight sealing. Industrial backlight (red/blue/white/green) optional.

DIMENSIONS: 120.0mm x 98.0mm (Front Panel)



MAIN FEATURE

- Stainless steel fascia and key-tops guard willful destruction, against corrosion, shock, dust, falling raining, splashing, hose-directed water and vandal resistant, operation under hostile environments.
- key-tops are sunk laser-etched in legends and characters via using high quality ink for easy readability, long life to prevent lettering rub-off. Or protrusive engraving available.
- With firm tactile key feel, short travel switches, with unique double over-travel protection.
- Waterproof/dirt-proof execution according to degree of protection IP65, waterproof and dirt proof encapsulation with unique membrane.
- **OS: Windows95/98/NT/ME/2000/2003/XP/Vista/WIN7, Linux, Unix, Mac OSX**

COMMUNICATION PARAMETER(OPTIONAL)

- USB, PS2 or RS232 are all available.
- 16 actuator on the keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., Exit, P-Up, P-Down, Enter, Clear, 4 x 4 scanning code. Any keys can be re-defined per customers' requirements.

MECHANICAL DATA

- Switching material: Gold-on-Gold.
- Actuation Force: 2.0+/-0.1N (pressure point).
- Key Travel: 0.45mm.
- Lettering: laser engraving, or raised letters.
- Front panel: brushed stainless steel.
- Actuator/keys materials: stainless steel.
- Dimensions: 120.0mm x 98.0mm (Front Panel)
- G.W.: 0.70 kgs.

ELECTRICAL DATA

- Power supply voltage: 5V DC.
- Power Consumption: Under 300mW for operation, under 200mW for non-operation.
- Electrical lifetime: > 5 years.
- EMC:EN55022(B).

ENVIRONMENTAL ADAPTABILITY

- Operating temperature:-20°C to +60°C.
- Storage temperature: -30°C to +70°C.
- Operating RH: 30-90%.
- Atmospheric pressure: 60-106Kpa.

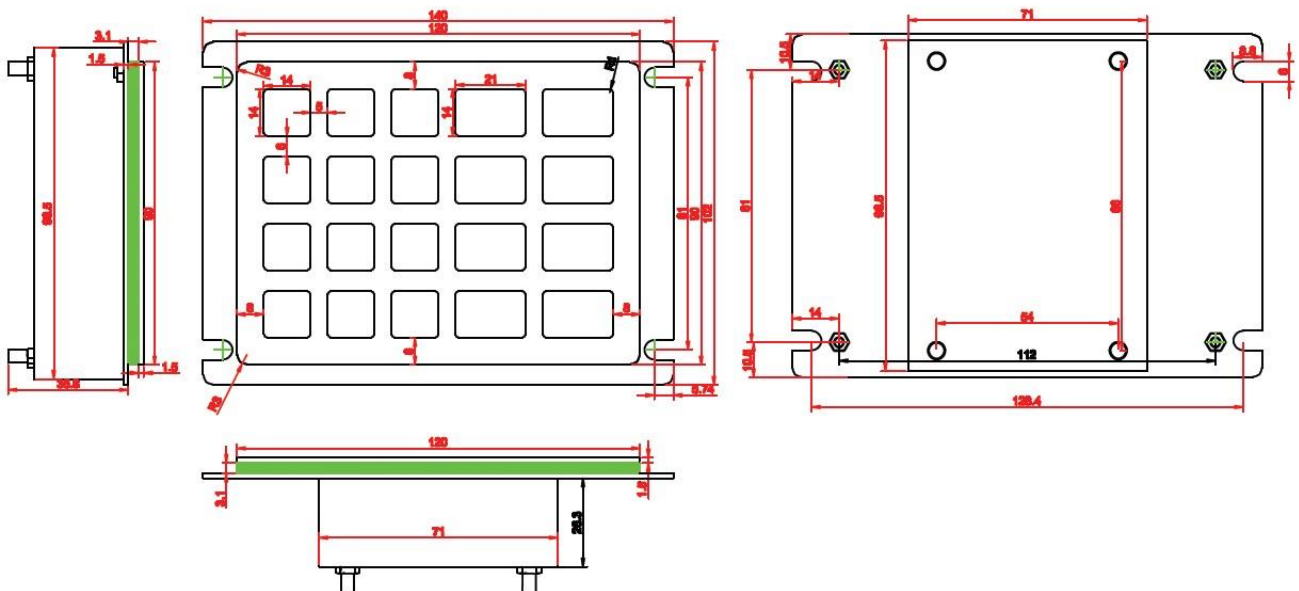
RELIABILITY

- RoHS Compliant, CE and FCC,ESD
- Protection Level: IP65(front panel)
- Vandal resistant IK10
- Key Lifespan >5 million actuations .
- MTBF >50000H.
- MTTR <30min

PRI-KYB-B120NKP-AC-20

DESCRIPTION: 20 keys compact format IP65 dynamic vandal proof stainless steel industrial dot matrix numeric keypad with industrial metal dome PCB with socket on the back panel for connecting electronics controller, with industrial metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with excellent tactile feeling for stable and accurate data input, stainless steel back plate with mounting holes on both sides for rear panel mounting solution.

DIMENSIONS: 120.0mm x 90.0mm (Front Panel)



MAIN FEATURE

- Stainless steel fascia and key-tops guard willful destruction, against corrosion, shock, dust, falling raining, splashing, hose-directed water and vandal resistant, operation under hostile environments.
- Internet friendly key layout, key-tops are sunk laser-etched in legends and characters via using high quality ink for easy readability, long life to prevent lettering rub-off. Or protrusive engraving available
- With firm tactile key feel, short travel switches, with unique double over-travel protection.
- Waterproof/dirt-proof execution according to degree of protection IP65, waterproof and dirt proof encapsulation with unique membrane.
- Easily mounting into enclosure or panel, and is provided with PS/2, USB or RS232 connection output cables that plug directly into the host computer for normal keypad operations.
- **OS: All windows, Linux, Unix, Mac OSX**

COMMUNICATION PARAMETER

- 20 actuators on the keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9,.,00, Charge, PgUp, PgDn, Print, Card out , Exit, Return, Enter. Any keys can be re-defined per customers' requirements.

MECHANICAL DATA

- Actuation Force: 2.0N (pressure point)
- Key Travel: 0.45mm
- Lettering: laser engraving, or raised letters.
- Front panel: brushed stainless steel
- Actuator/keys materials: stainless steel
- Dimensions: 120.0mm x 90.0mm
- G.W.: 1.20KGs

ELECTRICAL DATA

- Switching material: Gold-on-Gold technology with metal dome PCB.
- Power supply voltage: 5V DC.
- Power Consumption: Under 300mW for operation, under 200mW for non-operation
- Electrical lifetime: > 5 years
- EMC Standard: It is compliance with the council IEC 61000-4-2:2008; IEC 61000-4-3:2006+A1:2007+A2:2010; IEC 61000-4-4:2004
- EMI: EN 55022: 2010
- EMS: EN 55024:2010
- Communication interface: PS2, USB or RS232 are available.

ENVIRONMENTAL ADAPTABILITY

- Operating temperature:-20°C to +60°C
- Storage temperature:-30°C to +70°C
- Operating RH: 30—90%
- Atmospheric pressure: 60-106Kpa.

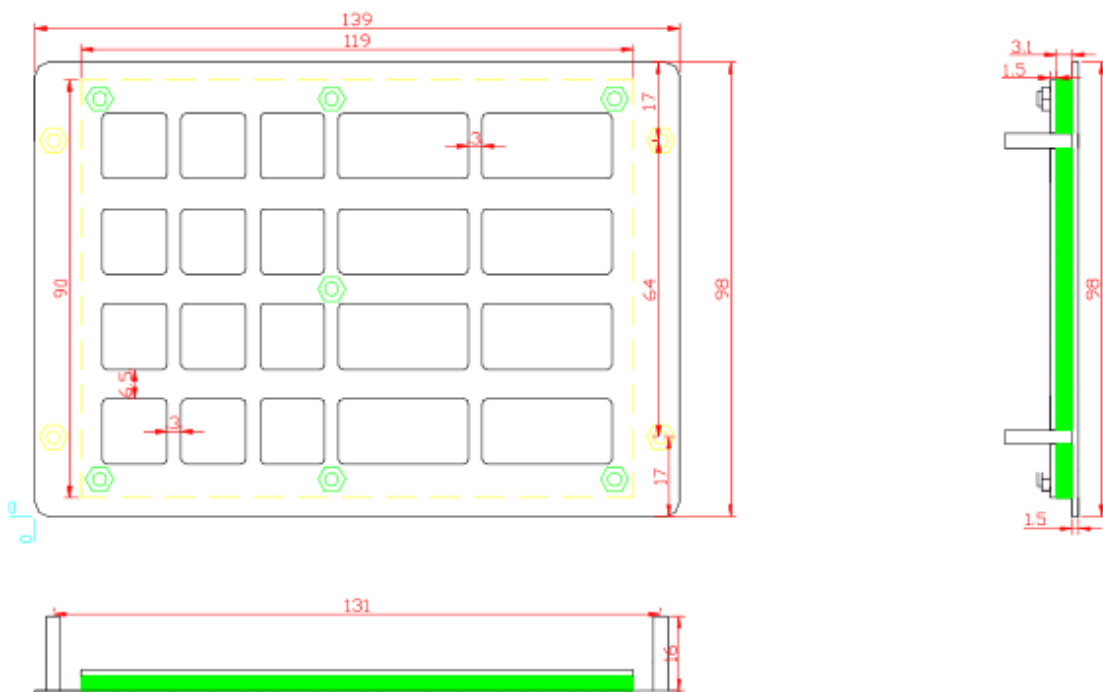
RELIABILITY

- **RoHS Compliant, CE and FCC, ESD**
- **Protection Level: IP65(front panel)**
- **Vandal resistant IK10**
- Key Lifespan >5 million actuations
- MTBF >50000H
- MTTR <30min

PRI-KYB-B139NKP-AC-20

Description: 20 keys IP65 dynamic water proof and vandal proof Stainless Steel industrial dot matrix keypad with industrial metal dome PCB with socket on the back panel for connecting electronics controller, industrial metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with excellent tactile feeling for stable and accurate data input, top stainless steel plate with welded studs for top panel mounted.

Dimension: 139.0mm x 98.0mm (Front panel)



MAIN FEATURE

Stainless steel fascia and key-tops guard willful destruction, against corrosion, shock, dust, falling raining, splashing, hose-directed water and vandal resistant, operation under hostile environments.

Internet friendly key layout, key-tops are sunk laser-etched in legends and characters via using high quality ink for easy readability, long life to prevent lettering rub-off. Or protrusive engraving available

With firm tactile key feel, short travel switches, with unique double over-travel protection.

Waterproof/dirt-proof execution according to degree of protection IP65, waterproof and dirt proof encapsulation with unique membrane.

COMMUNICATION PARAMETER(OPTIONAL)

20 actuator on the keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., +/-, Menu, Profile, Enter, ESC and 4 direction key, 4 x 5 scanning code. Any keys can be re-defined per customers' requirements.

MECHANICAL DATA

Switch Contact Material: Gold-on-Gold key switch technology with metal dome PCB.

Actuation Force: 2.0N (pressure point)

Key Travel: 0.45mm

Lettering: laser engraving, or raised letters.

Front panel: brushed stainless steel

Actuator/keys materials: stainless steel

Dimensions: 139.0mm x 98.0mm

G.W. 0.8KGs

ELECTRICAL DATA

Power supply voltage: 5V DC.

Power Consumption: Under 300mW for operation, under 200mW for non-operation

Electrical lifetime: > 5 years

EMC Standard: It is compliance with the council IEC 61000-4-2:2008; IEC 61000-4-3:2006+A1:2007+A2:2010; IEC 61000-4-4:2004

ENVIRONMENTAL ADAPTABILITY

Operating temperature: -20°C to +60°C

Storage temperature: -30°C to +70°C

Operating RH: 30-90%

Atmospheric pressure: 60-106Kpa.

RELIABILITY

RoHS Compliant, CE and FCC ,ESD

Protection Level: IP65(front panel)

Vandal resistant IK10

Key Lifespan >5 million actuations

MTBF >50000h

MTTR <30min

MAIN FEATURE

- Stainless steel fascia and key-tops guard willful destruction, against corrosion, shock, dust, falling raining, splashing, hose-directed water and vandal resistant, operation under hostile environments.
- Internet friendly key layout, key-tops are sunk laser-etched in legends and characters via using high quality ink for easy readability, long life to prevent lettering rub-off. Or protrusive engraving available
- With firm tactile key feel, short travel switches, with unique double over-travel protection.
- Waterproof/dirt-proof execution according to degree of protection IP65, waterproof and dirt proof encapsulation with unique membrane.
- **OS: DOS/Windows95/98/NT/ME/2000/2003/XP/Vista/Win7, Linux, Unix, Mac OSX**

COMMUNICATION PARAMETER(OPTIONAL)

- USB, PS2 or RS232 interface are available.
- 24 actuator on the keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., -, F1, F2, F3, F4, F5, F6 ,Backspace, Enter, ESC, Del, Pgup, Pgdn, 4 x 6 scanning code. Any keys can be re-defined per customers' requirements.

MECHANICAL DATA

- Switch Contact Material: Gold-on-Gold key switch technology with metal dome PCB.
- Actuation Force: 2.0N (pressure point)
- Key Travel: 0.45mm
- Lettering: laser engraving, or raised letters.
- Front panel: brushed stainless steel
- Actuator/keys materials: stainless steel
- Dimensions: 139.0mm x 98.0mm
- G.W. 0.7KGs

ELECTRICAL DATA

- Power supply voltage: 5V DC.
- Power Consumption: Under 300mW for operation, under 200mW for non-operation
- Electrical lifetime: > 5 years
- EMC:EN55022(B)

ENVIRONMENTAL ADAPTABILITY

- Operating temperature:-20°C to +60°C
- Storage temperature: -30°C to +70°C
- Operating RH: 30-90%
- Atmospheric pressure: 60-106Kpa.

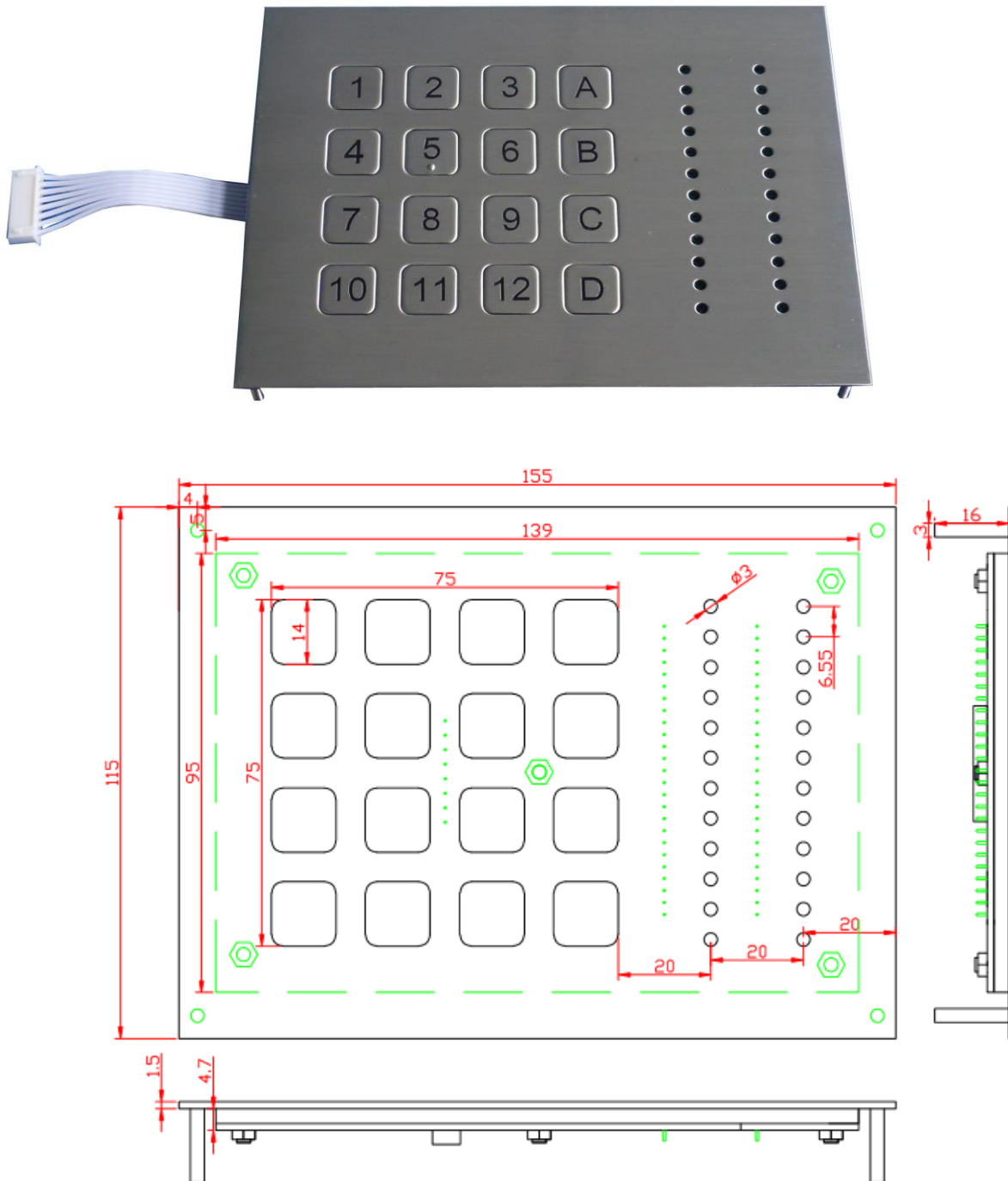
RELIABILITY

- **RoHS Compliant, CE and FCC, ESD**
- **Protection Level: IP65(front panel)**
- **Vandal resistant IK10**
- Key Lifespan >5 million actuations
- MTBF >50000H
- MTTR <30min

PRI-KYB-B155NKP-AC

Description: 16-keys vandal proof IP65 Stainless Steel keypad with dot matrix circuit with socket on the back panel of PCB for connecting electronics controller, with metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with tactile feeling, 24 led with customized PCB, with super quality durable Black Titanium Electroplated on stainless steel housing(Optional), top stainless steel panel mounting.

Dimension: 155.0 mm x 115.0mm(Top panel)



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 IP65 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 short stroke switches and allow users to achieve stable and accurate data input, 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.

MECHANICAL DATA:

Actuator/keys: 16 keys, 1.50mm thickness super quality SUS304 brushed stainless steel flat key.

Key top style: Non-protuberant rectangular keys, laser engraved & etched legends & raised braille on keys are available

Key Size: 14.0mm x 14.0mm for normal keys, 14.0mm x 28.0mm for function keys

Key travel: 0.45mm

Actuation Force: 2.0N+/-0.1N for key 14.0mm x 14.0mm (pressure point) 4.0N+/-0.1N for key 14.0mm x28.0mm (pressure point)

Switch life: more than 5 million of operations.

Front Plate: 1.5mm thickness super quality brushed stainless steel

Back Plate: 1.5mm thickness super quality stainless steel

G.W.: 0.50KGs

Dimensions: 155.0mm x 115.0mm (L x W)

ENVIRONMENTAL ADAPTABILITY:

Operating temperature:-20oC to +60oC

Storage temperature: -30oC to +70oC

Operating RH: 30-90%

Atmospheric pressure: 60-106Kpa.

Saline mist: 96 hours, IEC 60512-6

Damp heat test at + 40oC: 21 days, IEC 60512-6

Dry heat test at + 85oC: 10 days, IEC 60512-6

RELIABILITY:

RoHS Compliant, CE and FCC, ESD

Protection Level: IP65(front panel)

Vandal resistant IK10

Key Lifespan >5 million actuations

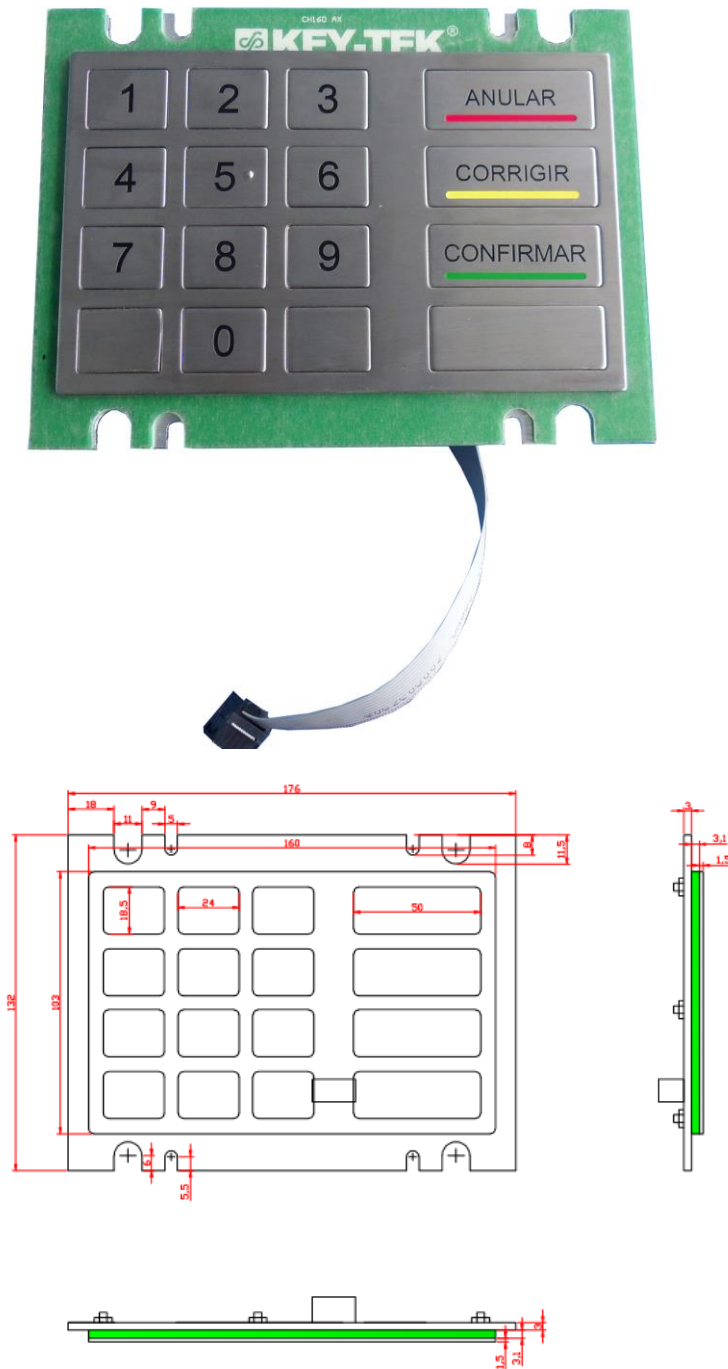
MTBF >50000H

MTTR <30min

PRI-KYB-B160NKP-AC

Description: 16 keys IP65 dynamic water proof and vandal proof Stainless Steel industrial dot matrix keypad with industrial metal dome PCB with socket on the back panel for connecting electronics controller, with industrial metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with excellent tactile feeling for stable and accurate data input, rear aluminum plate with mounting holes for rear panel mounted.

Dimension: 160.0mm x 102.3mm (front panel)



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 IP65 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 short stroke switches and allow users to achieve stable and accurate data input, 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.

MECHANICAL DATA:

Actuator/keys: 16 keys, 1.50mm thickness super quality SUS304 brushed stainless steel flat key.

Key top style: Non-protuberant rectangular keys, laser engraved & etched legends & raised braille on keys are available

Key travel: 0.45mm

Actuation Force: 2.0N+/-0.1N for key 14.0mm x 14.0mm (pressure point) 4.0N+/-0.1N for key 14.0mm x28.0mm (pressure point)

Switch life: more than 5 million of operations.

Front Plate: 1.5mm thickness super quality brushed stainless steel

Back Plate: 1.5mm thickness super quality stainless steel

G.W.: 0.50KGs

Dimensions: 160.0mm x 102.3mm (L x W)

ENVIRONMENTAL ADAPTABILITY:

Operating temperature:-20oC to +60oC

Storage temperature: -30oC to +70oC

Operating RH: 30-90%

Atmospheric pressure: 60-106Kpa.

Saline mist: 96 hours, IEC 60512-6

Damp heat test at + 40oC: 21 days, IEC 60512-6

Dry heat test at + 85oC: 10 days, IEC 60512-6

RELIABILITY:

RoHS Compliant, CE and FCC, ESD

Protection Level: IP65(front panel)

Vandal resistant IK10

Key Lifespan >5 million actuations

MTBF >50000H

MTTR <30min