EVERSWITCH

TOUCH METAL PIEZO KEYPADS

General characteristics:

- Hyper-ruggedized milled metal housings are vandal proof and tamper proof
- Zero power required for switch operation: ideal for solar or battery powered systems
- Totally waterproof keypad: used outdoors from the Artic Circle to Saudi Arabia
- Matrix output standard with no need for costly ASIC interface
- USB, PS2, ASCII, UART, I2C and custom output protocols available as well
- Activated by human touch, wet or gloved hands, or any type of tool
- Standard configurations as well as custom alpha-numeric layouts from 2 keys to 100 keys
- Excellent value for demanding environments, low cost of ownership over time
- Proven reliability for 24/7/365 operation (we have keypads in continuous use for 20 years as gate controllers)
- Industry leading five year warranty in extreme environments

sales@baran-at.com; www.barantec.com

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Electrical data

Standard Output	Matrix / Common Bus
Contact Arrangement	SPST N.O.
Switching Voltage	1-24V AC/DC
Switching Current	200mA
Force required for switch operation	3-5N

Mechanical data

Materials	Aluminium/Stainless Steel
Graphics	Anodized Printing/Laser Engraving
Electrical Connection	Flat Cable/Pins
Available Interfaces	RS232 / RS485 / USB / I2C / ASCII / UART

Environmental Specifications

Operating Temperature	-20°C to +85°C

Exceeds Class 1 Div 1 hazardous location requirements

Impact proof to IK10

IP68-IP69K wash-down proof up to 100 Bar (many submerged installations)

Compliant with IEC/EN 60529, CE, ROHS, REACH

Neither creates, nor is effected by ESD, RFI or EMI. EMP-proof versions available as well

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# TOUCH METAL PIEZO KEYPADS

KBA 11
3x4 Front Mount

### KBA 22
4x3 Front Mount

KBA 33
3x4 Rear Mount

KBA 44
4x3 Rear Mount
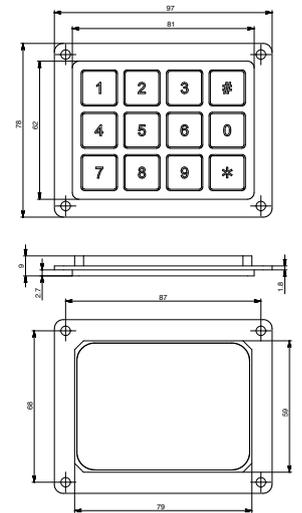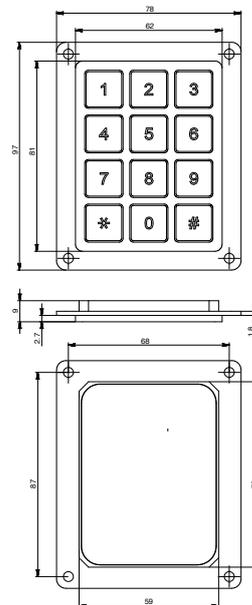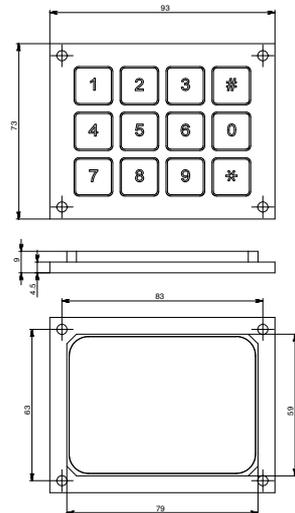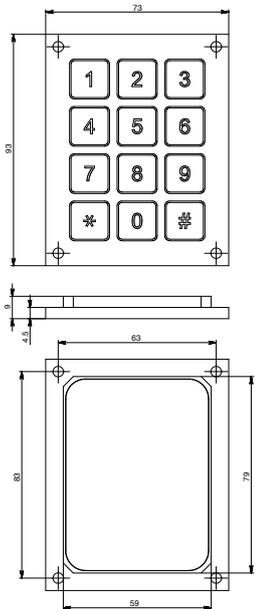
Electrical Diagram

3x4
KBA11
KBA33

3x4
KBA22
KBA44

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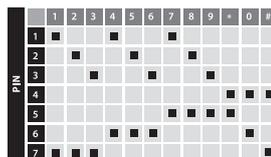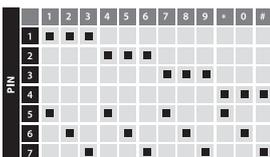
TOUCH METAL PIEZO KEYPADS

KBF 11	**KBF 22**	**KBH 11**	**KBH22**
4x4 Front Mount	4x4 Rear Mount	4x5 Front Mount	5x4 Front Mount
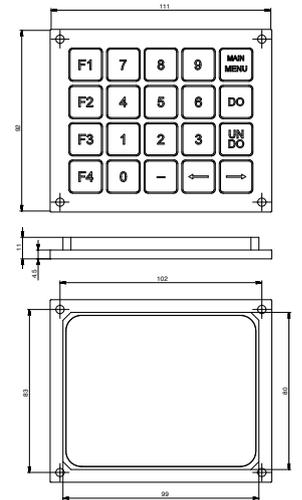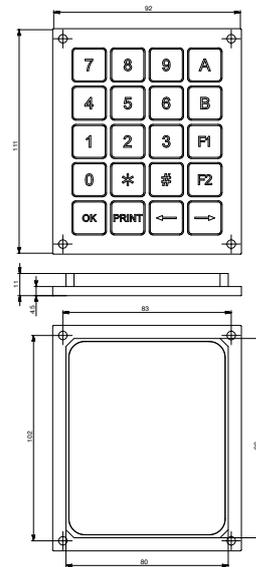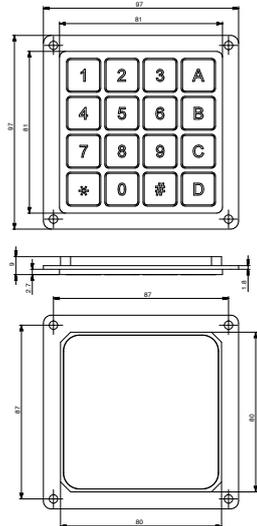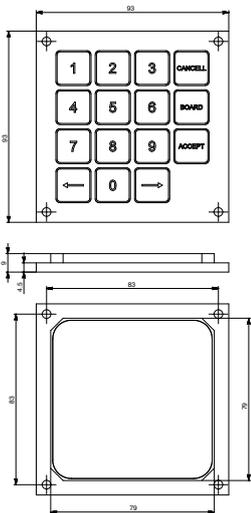
Electrical Diagram

4x4
KBF 11
KBF22

4x5
KBH 11

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TOUCH METAL PIEZO KEYPADS

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Part Numbering Table

		Keys	Mounting	Output	Voltage	Connection	Material	Marking	Graphics
K	**B**								

S   Standard graphics
X   Customer graphics

A   Anodized (for aluminum Hsgs)
E   Laser engraved (for STS Hsgs)

1   Aluminum type 6061 T651
2   Stainless steel type 303/304

P   Pins (90 degree bend)
C   Flat Cable with мolex connector

A   0-24V 0.2A

M   Matrix
B   Common Bus

11   Vertical key arrangement, front surface mount
22   Horizontal key arrangement, front surface mount
33   Vertical key arrangement, rear mount with shoulders
44   Vertical key arrangement, rear mount with shoulders

A   12 keys 3x4 vertical or 4x3 horizontal
F   16 keys 4x4
H   20 keys 4x5 Vertical or 5x4 horizontal