Bringing Piezo Technology to Perfection
FUNCTION

The switch function is based on the physical principle of the Piezo effect. The external push force (increase or decrease) activates a Piezo element that releases voltage utilized for switching. We offer three switching functions:

- **Momentary** - 120 Msec. Pulse
- **Continuous** - Circuit closed as long as switch is pressed. Up to 6 seconds
- **Toggle** - Switch changes position at each activation

Advantages

- Suitable for harsh environments - water and dust proof, indoor and outdoor use
- Sealed metal surface - indestructible vandal proof, easy to keep clean
- No moving parts - long life expectancy, tested for 50 million cycles
- Prevent the need for maintenance - reduces service cost
- Versatile mechanical configuration - manufactured in any shape

Technical Data

- **Rated voltage**: 1-24 V AC/DC
- **Rated current**: 200 mA – 1A
- **Actuation Force Typically**: 3 - 5 N
- **Operating Temperature**: -20°C TO +75°C
- **Cycles**: > 50 millions
- **Protection System**: IP68/69
- **LED/ Illuminated ring**: 5VDC, 12VDC, 24VDC

Applications

- Vending machines
- Lifts
- Beverage dispensers
- Safety and security
- Public internet and information kiosks
- Chemical and petrochemical industry
- Food industry
- Medical equipment
- Mining equipment
- Industrial machinery
- White appliances
<table>
<thead>
<tr>
<th>Switch Type</th>
<th>Function</th>
<th>Illumination</th>
<th>Material</th>
<th>Color</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMF</td>
<td>Momentary one shot N.O. &amp; N.C. or up to 6 second pulse</td>
<td></td>
<td>Aluminum / Stainless steel</td>
<td></td>
<td>16mm thread</td>
</tr>
<tr>
<td>SBS</td>
<td>Momentary one shot N.O. &amp; N.C. or up to 6 second pulse</td>
<td></td>
<td>Aluminum / Stainless steel</td>
<td></td>
<td>19mm thread</td>
</tr>
<tr>
<td>SMA</td>
<td>Momentary one shot N.O. &amp; N.C. or up to 6 second pulse</td>
<td></td>
<td>Aluminum / Stainless steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SBA</td>
<td>Programmable / Continuous N.O. or Toggle (on/off)</td>
<td></td>
<td>Aluminum / Stainless steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SBR</td>
<td>Momentary one shot N.O. &amp; N.C. or up to 6 second pulse</td>
<td>RGB LEDs 12/24 V DC, Polyoxymethylene</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SML</td>
<td>Momentary one shot N.O. &amp; N.C. or up to 6 second pulse</td>
<td>Single LED 5/12/24 V DC (Led colors: Red, Green, Blue, Yellow)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BPS</td>
<td>Momentary one shot N.O. &amp; N.C. or up to 6 second pulse</td>
<td>RGB LEDs 12/24 V DC, White</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>TACTILE (Mechanical Movement)</td>
<td>Momentary one shot N.O. &amp; N.C. or up to 6 second pulse</td>
<td>RGB LEDs 12/24 V DC</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Custom made Switches**

Any application dictating unique products configuration is covered by our custom made program supported by the Baran powerful engineering department. The EVErSWITCH is available in a variety of shapes and configurations.

- Various metals, dimensions and colors
- One shot function, continuous or toggle function
- Any required voltage or amperage
- Various Led colors 12V or 24V DC voltage
- A wide choice of cables and connectors
- Character Laser engraving, Pantograph and Anodize printing
PRODUCT RANGE

Keypads and Keyboards
By utilizing our patented technology we offer a wide range of keypads, keyboards and input devices.

Keypads
KBA - 3x4 (4x3) 73x93mm
KBF - 4x4 93x93mm
KBH - 5x4 (4x5) 113x93mm
Output Matrix / common bus - Pin / Flat Cable
Surface material Aluminum / STS
PC interface PS/2. RS 323 / 485 / USB

Keyboards
KB 400 full size QWERTY / AZERTY
KB5000 Reduces size
Surface material Aluminum
Pointing device IP 68 track pad

Our custom made keypads and keyboards range from a minimal 2 key keypad solution to large keyboards in various configurations, printing colors, designs and software required. Our patented technology allows for extremely economical prototypes and short production runs.

Our custom made keypads and keyboards offer a wide range of options:
- Various surface materials and colors
- N.O / N.C continuous / Momentary function
- Matrix / common bus output
- Interface connection PS/2 RS 232 / 485 USB
- Integrated LED’s
- Anodized non removable marking and printing

We offer a wide range of:
* Control panels
* Access control
* Input systems and PLC systems

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