

Bringing Piezo Technology
to Perfection


EverSwitch[®]

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

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

Technical Data

Rated voltage: 1-24 V AC/DC

Rated current: 200 mA – 1A

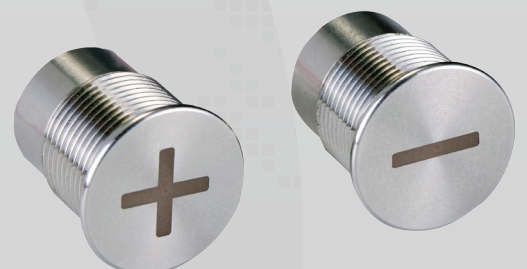
Actuation Force Typically: 3 - 5 N

Operating Temperature: -20C TO +75C





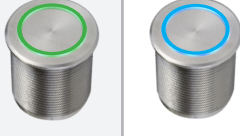

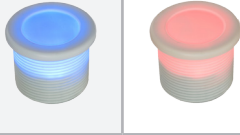

Cycles: > 50 millions

Protection System: IP68/69

LED/ Illuminated ring: 5VDC, 12VDC, 24VDC



SINGLE SWITCHES

	<p>SMF Function: Momentary one shot N.O. & N.C. or up to 6 second pulse Material: Aluminum / Stainless steel Anodize color (Aluminum): Red, Green, Blue, Black, Gold & Natural Dimensions: 16mm thread</p>
	<p>SBS Function: Momentary one shot N.O. & N.C. or up to 6 second pulse Material: Aluminum / Stainless steel Anodize color (Aluminum): Red, Green, Blue, Black, Gold & Natural Dimensions: 19mm thread</p>
	<p>SMA Function: Momentary one shot N.O. & N.C. or up to 6 second pulse Material: Aluminum / Stainless steel Anodize color (Aluminum): Red, Green, Blue, Black, Gold & Natural Dimensions: PG16 thread</p>
	<p>SBA Function: Programmable / Continuous N.O. or Toggle (on/off) Material: Aluminum / Stainless steel Anodize color (Aluminum): Red, Green, Blue, Black, Gold & Natural Dimensions: PG16 thread</p>
	<p>SBR Function: Momentary one shot N.O. & N.C. or up to 6 second pulse Illumination: RGB LEDs 12/24 V DC Material: Aluminum / Stainless steel Anodize color (Aluminum): Red, Green, Blue, Black, Gold & Natural Dimensions: 19/22/27mm thread</p>
	<p>SML Function: Momentary one shot N.O. & N.C. or up to 6 second pulse Illumination: Single LED 5/12/24 V DC (Led colors: Red, Green, Blue, Yellow) Material: Aluminum / Stainless steel Anodize color (Aluminum): Red, Green, Blue, Black, Gold & Natural Dimensions: PG16/16mm/19mm thread</p>
	<p>BPS Function: Momentary one shot N.O. & N.C. or up to 6 second pulse Illumination: RGB LEDs 12/24 V DC Material: Polyoxymethylene Color: White Dimensions: 22mm thread</p>
	<p>TACTILE (Mechanical Movement) Function: Momentary one shot N.O. & N.C. or up to 6 second pulse Illumination: RGB LEDs 12/24 V DC Material: Aluminum / Stainless steel Anodize color (Aluminum): Red, Green, Blue, Black, Gold & Natural Dimensions: Thread 22 mm</p>

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.

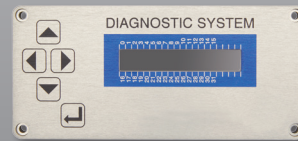
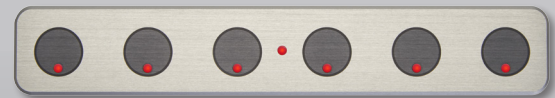
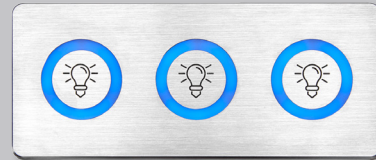
Our patented technology allows for extremely economical prototypes and short production runs.

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



PIEZIO SOLUTION FOR WHITE APPLIANCES

EverSwitch

BARANTEC

BARAN
ADVANCED TECHNOLOGIES LTD.

sales@baran-at.com
www.barrantec.com