

Bringing Piezo Technology  
to Perfection

  
**EverSwitch®**

# THE TECHNOLOGY

## 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

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

## 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.

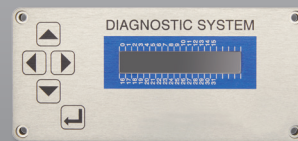
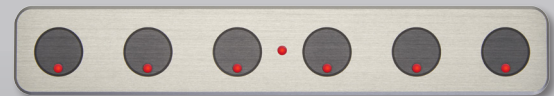
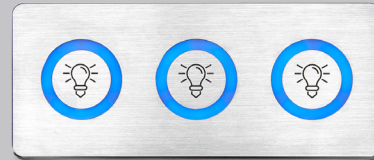
Our patented technology allows for extremely economical prototypes and short production runs.

### 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



PIEZO SOLUTION FOR WHITE APPLIANCES

# EverSwitch®

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