

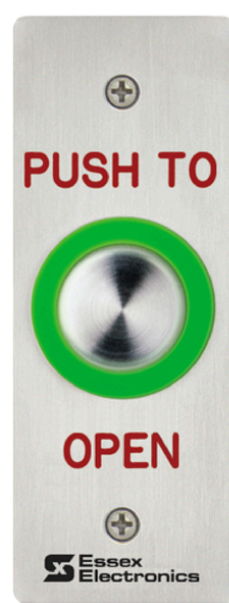
# SUPERIOR SWITCH



## PEB Series

The Essex PEB Series are industrial grade, illuminated touch REX devices with advanced piezoelectric switch technology and field selectable configuration options.

- Piezoelectric Switch Technology
- Ruggedized Vandal Resistant Design
- All Weather IP 66 Rated
- Stainless Steel Construction
- Easy to Clean and Sanitize
- Two Outputs (1 N/O, 1 N/C)
- Field Selectable Illumination
- Built in Adjustable Timer
- Narrow or Single Gang
- Limited Lifetime Warranty
- Designed and Manufactured in the USA



PEB-1SO



PEB-2S



Essex PEB Series Piezoelectric Touch Switches are illuminated, stainless steel, timed electronic switches designed to operate in various high use, harsh and vandal prone environments. Designed to control an automatic door, electric lock/strike, magnetic lock or any electrically controlled device, these unique field configurable switches feature solid-state Piezoelectric Switch technology and field selectable options including adjustable timed output and illumination feedback status.



PEB-1S

## Features

### Cutting Edge Switch Technology

Essex proprietary Piezoelectric Billion Cycle Switch Technology™.

### Weather Resistant Design

Circuit assembly encapsulation

### Vandal Resistant Construction

1/8" Stainless Steel Faceplate

### Field Selectable Illumination

Switch Activated or Externally Controlled.  
Jumper Selectable: Red, Green or No Illumination for standby or active status

### Mounting Method

Single gang: Mounts directly to a single gang switchbox or optional mounting back box (BAK BOX-SGS).

Narrow: Mullion mount or optional spacer ring (SP-1 or SR-1).

### Limited Lifetime Warranty

Lifetime Warranty against defects in materials and workmanship.

Touch to change color

**All PEB Series feature selectable illumination. Brilliant red, vibrant green or no illumination can be selected for standby and switch activation status**

## Specifications

### Power Requirements

12 to 24VDC\*

### Outputs

One N/O, One N/C  
2A 30VDC Resistive, 1/2A 125VAC  
Jumper Selectable Relay (Normally ON or OFF) for fail safe or fail secure operation

### Adjustable Output Time

1 to 40 seconds

### Current Draw

Min: < 10mA  
Max: < 120mA

### IP Rating

IP66

### Operating Environment

- 40°F to + 160°F (- 40°C to + 70°C)  
100% Relative Humidity

Dimensions	Height	Width	Depth
Narrow	4 1/2"	1 3/4"	1 1/4"
Single Gang	4 1/2"	2 3/4"	1 1/4"

### Weight

Narrow: 5.1 oz. (145 gm)  
Single Gang: 7.2 oz. (204 gm)

### Certifications

UL 294: Access Control Line Security 1



PEB-2SO

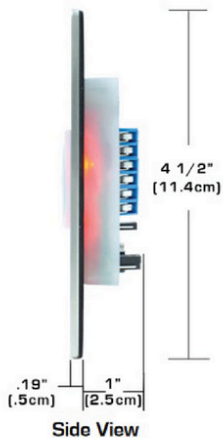
## ORDERING GUIDE

### Part Number

PEBA - 1	Piezoelectric Touch Switch without faceplate
PEB - 1S	Narrow Piezoelectric Touch Switch
PEB - 1SO	Narrow Piezoelectric Touch Switch
PEB - 2S	U.S. Single Gang Piezoelectric Touch Switch
PEB - 2SBLANK	U.S. Single Gang Piezoelectric Touch Switch
PEB - 2SEE	U.S. Single Gang Piezoelectric Touch Switch
PEB - 2SO	U.S. Single Gang Piezoelectric Touch Switch

### Faceplate Graphics

N/A
"PUSH TO EXIT"
"PUSH TO OPEN"
"PUSH TO EXIT"
No Graphics
"EMERGENCY EXIT"
"PUSH TO OPEN"



Side View

**\*Important Note:** Essex PEB Series Switches will not operate with <11VDC. Backup power (i.e. Uninterruptible Power Supply) is required for operation during a power interruption. Some local building or fire safety regulations may limit the use of electronic exit buttons. Consult with local officials prior to installing for egress applications. Contact Essex technical support for wiring options.