



# Cutting-Edge Switch Technology

Stainless Steel  
 Virtually Indestructible  
 Aircraft Quality Construction

## Programmable Switches

Essex Piezoelectric Switches are heavy duty, stainless steel, timed electronic switches designed to operate in various high use, harsh and vandal prone environments. These multipurpose, programmable switches can be used to control an automatic door, electric lock/strike, magnetic lock or any electrically controlled device. They feature solid-state Piezoelectric Switch technology and field selectable options including adjustable timed output and illumination status. 12VDC Power supply is available on page 3.

### Hand-E-Tap® Series

- Power Requirements: 12-24VDC\*
- One Output: 1SPDT Relay (5A @ 30VDC, 125 VAC)
- Toggle or Adjustable Output Time: 1 to 60 seconds
- Dimensions: Single gang 5 1/8" x 3 3/8" x 1"
- Current Draw: < 8mA Standby, 100mA max

The Hand-E-Tap Series can be customized with laser marked graphics, text, symbols or logos. No charge for quantities of 25 or more.



3CWR2

**Item No.**      **Description**

- 3CWR2**      PHSS1-US, Hand-E-Tap Access Switch, ADA Wheelchair Icon, Stainless Bezel  
**3CWR3**      PHSK1-US, Hand-E-Tap Access Switch, ADA Wheelchair Icon, Black Bezel

### PEB Series

- Power Requirements: 12-24VDC\*
- Two Outputs: 1 N/O, 1 N/C (2A 30VDC Resistive, 1/2A 125 VAC)
- Adjustable Output Time: 1 to 40 seconds
- Dimensions: Single gang 4 1/2" x 2 3/4" x 1 1/4"    Narrow 4 1/2" x 1 3/4" x 1 1/4"
- Current Draw: <10mA Standby (LED's OFF), 120mA max (Relay ON)

**Item No.**      **Description**

- | <b>Item No.</b> | <b>Description</b>                 | <b>Faceplate Graphics</b> |
|-----------------|------------------------------------|---------------------------|
| <b>1JYX4</b>    | PEBSS0-US, U.S. Single Gang Switch | No Graphics               |
| <b>1JYX5</b>    | PEBSS2-US, U.S. Single Gang Switch | "PUSH TO EXIT"            |
| <b>4TXX7</b>    | PEBSS6-US, U.S. Single Gang Switch | "PUSH TO OPEN"            |
| <b>4TXX8</b>    | PEBSS2MX-US, U.S. Single Gang      | "PRESIONE PARA SALIR"     |
| <b>4TXX9</b>    | PEBSS6MX-US, U.S. Single Gang      | "PRESIONE PARA ABRIR"     |
| <b>4TXX5</b>    | PEBSSN2, Narrow Switch             | "PUSH TO EXIT"            |
| <b>4TXX6</b>    | PEBSSN6, Narrow Switch             | "PUSH TO OPEN"            |



1JYX5



4TXX5

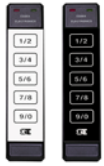
Touch to change color  
 All PEB Series feature selectable illumination. Brilliant red, vibrant green or no illumination can be selected for standby and switch activation status

\*Important Note: Door Access Switches will not operate with <11VDC. Backup power (i.e. UPS) is required for operation during a power interruption.

## Access Control

All Weather Keypad • Request to Exit • Latching • Anti Tailgating • Tamper Alarm • Programmable Output Time • Non Volatile Memory

### SKE-6



#### Self Contained, Access Control Keypad

- 6 User
- 12-24VAC/DC In/Out
- 1 SPDT Relay (2 amp at 24V max)
- 2 Auxiliary Open Collector Outputs (1/4A)
- Keypad Programmable

**Item No.**

**Description**

**1JYV5**

SKE-6SN, Stainless Overlay

**1JYV6**

SKE-6LI, Black Illuminated Overlay

### SKE-34/SKE-26 Multiple User, Self Contained, Access Control Keypad



- 500 User
- 12-24VDC In/Out
- 1 SPDT Relay (2 amp at 24V max)
- 2 Auxiliary Open Collector Outputs (1/4A)
- Keypad Programmable
- 2HNE8 and 2HNF2 are CSA Listed for Elevator Access Control

**Item No.**

**Description**

**2HNE8**

SKE-34S, 3x4 Stainless Bezel

**2HNF2**

SKE-34K, 3x4 Black Bezel

**2HNF5**

SKE-26S, 2x6 Stainless Overlay

**2HNF8**

SKE-26I, 2x6 Black Illuminated Overlay

### KE-265



#### Stand Alone Keypad Access Control System

- 6 User
- 12-24VAC/DC In/Out
- 2 SPDT Relays (6 amp, 120VAC)
- Keypad Programmable
- Separate control module for enhanced security

**Item No.**

**Description**

**1JYV7**

KE-265 System with 5 Pad Stainless Keypad

**2HNH6**

KP-5S, 5 Pad Stainless Keypad for 1JYV7

**2HNH9**

WC-15, 15' Wiring Cable for 1JYV7

**2H NJ3**

CM-265, Control Module for 1JYV7

### K1



#### All-In-One Keypad Reader (26 Bit Wiegand, 8 Bit Word,...) and Stand Alone Access Control System

Configure Keypad as OEM Compatible Reader or Keyless Entry System

- 500 User
- 5VDC or 12-24VDC In/Out (Keypad)
- 3 Programmable Outputs
- Keypad and/or PC Programmable\*
- Optional Encoded Relay Module (ERM-3) with 3 SPDT Relays (6 amp, 120VAC) for secure access

**Item No.**

**Description**

**1JYX2**

K1-34S, 12 Pad 3x4 Stainless

**1JYX3**

K1-26S, Thinline 2x6 Stainless

**1JYV8**

K1-34S, 12 Pad 3x4 Stainless + ERM-3

**1JYV9**

K1-26S, Thinline 2x6 Stainless + ERM-3

**NEW**

### Keyless IP



4TXX3 shown

#### Stand Alone, Single Door Web Based Access Control System

- 1,000 User (Pin or Card)
- 12-16VDC In/Out
- 2 SPDT Relays (2A @ 30VDC)
- 5,000 Stored Audit Events
- 8 Programmable Schedules
- Managed via standard web browser
- Migrates to a host based system
- DHCP or Static IP networks
- Built in 802.3af PoE (Power Over Ethernet)
- Keypad, Proximity or Combination Keypad + HID 125 kHz Proximity
- Browser "Door Dashboard" accesses remote door commands, status, alarms and recent events
- Standard reports available
- Proximity Cards and Keyfobs for the 4TXX3 are available on page 3.

**Item No.**

**Description**

**4TXX1**

KIP-34S, 12 Pad 3x4 Stainless Keypad

**4TXX2**

KIP-26S, Thinline 2x6 Stainless Keypad

**4TXX3**

KPIP-34S, 3x4 Stainless Keypad + HID Proximity



Web Browser

## Combination Keypad/Card Readers

### PiezoProx® and iSMART™

PiezoProx & iSMART are virtually indestructible, professional grade, dual technology access control readers. Compatible with most OEM panels, PiezoProx combines an Essex Piezoelectric Keypad with HID 125 kHz Proximity. iSMART offers an enhanced level of security by integrating HID iCLASS® 13.56MHz smart card technology.



- Weatherproof/Waterproof: IP66 Rated, -40° C to +70° C, 100% Relative Humidity
- Card Reader: HID Proximity (PPH), HID iCLASS (ISH).
- Keypad Output: 26 Bit Wiegand (8 Bit Word also available)
- Keypad Bezel: Stainless Steel
- Current Draw      With LED's      Without LED's  
5 Volt                      < 50mA                      < 30mA  
12 Volt                      < 80mA                      < 35mA
- Mounting: Single gang switchbox or surface mount
- Dimensions: 7 1/4" x 3 5/8" x 1 1/2"

#### Card Reader Options



Item No.	Description
<b>1JYX6</b>	PPH-103-SN, PiezoProx® Reader- HID Proximity w/ 26 Bit Wiegand Keypad, Stainless Bezel
<b>1JYX7</b>	ISH-103-SN, iSMART™ Reader - HID iCLASS w/ 26 Bit Wiegand Keypad, Stainless Bezel
<b>4TXY1</b>	FOB-1346-50, 50 ea. HID Proximity Keyfobs (125kHz 26 Bit Proximity)
<b>4TXY2</b>	FOB-2050-50, 50 ea. HID iCLASS Keyfobs (13.56MHz 37 Bit iCLASS)
<b>4TXY3</b>	CARD-1326-100, 100 ea. HID Clamshell Proximity Cards II (125kHz 26 Bit Proximity)
<b>4TXY4</b>	CARD-2080-100, 100 ea. HID Clamshell iCLASS Smart Cards (13.56MHz 37 Bit iCLASS)



**4TXY1**



**4TXY3**

## Accessories

### Stainless Steel Spy Proof Housing



For areas with low ambient lighting, the Illuminated Stainless Steel Spy Proof Housing provides cool blue illumination and serves to limit the view of an unwelcome onlooker. Available exclusively for the Essex 12 Pad 3x4 Keypad or Hand-E-Tap Door Access Switch.

- Dimensions: 5 5/8" x 3 5/8" x 1" to 2 1/4"
- Stainless Steel Construction
- Long Lasting blue LED's

Item No.	Description
<b>2HNJ8</b>	SH-34SI-12, Illuminated 12VDC Spy Proof Housing*

\* Can be powered by an Essex Keypad DC or separate DC power source

### Stainless Steel Mounting Back Box



To solve various height and uneven surface installation challenges, Essex offers the Stainless Steel Back Box. Designed for any Essex 12 Pad 3x4 Keypad, single gang PEB Series or Hand-E-Tap Switch.

- Dimensions: 5 3/8" x 3 3/8" x 1 1/2" to 1 3/4"
- Tilted 15° for wheelchair height installation
- Stainless Steel Construction
- Conduit knockout for surface mount installation

Item No.	Description
<b>2HNJ6</b>	BAK BOX-SGS, Single Gang Stainless Back Box

### Power Supplies



Item No.	Description
<b>4TXX4</b>	PS-12DC, 12VDC, 1.5 Amp Power Supply for Essex Hand-E-Tap, PEB, SKE and Keyless IP Series
<b>2HNG2</b>	PS-12, 12VAC, 1 Amp Power Supply for Essex SKE-6, KE-265 and K1 Series
<b>2HNG5</b>	PS-24, 24VAC, 1.6 Amp Power Supply for Essex SKE-6, KE-265 and K1 Series