

**Smart Card Readers**

**iRox™ Series**

iRox™ and iRox Plus™ are extremely rugged smart card readers with Genuine HID Technology™. Designed to work with most access control panels, iRox readers feature epoxy encapsulated electronics in a recessed vandal resistant design. iRox reads iCLASS SE credentials including HID Seos™. iRoxPlus reads iCLASS SE and HID 125kHz Proximity. The new iRox-T is an optimally tuned turnstile reader ideal for compact metal environments.



**IRX-1B**



**IRXP-2**



**IRXPT-XO**  
(Turnstile)

- High or Dual Frequency Wiegand Reader with Genuine HID Technology™
- iCLASS SE® (13.56MHz) or MultiCLASS SE® (13.56MHz and 125KHz)
- 1/8" Stainless Steel, Black Anodized Aluminum or no faceplate (iRox-T)
- IP 66 Rated, - 40° C to +70° C (- 40° F to + 160° F), 100% Relative Humidity
- 5 or 12VDC Field Selectable Input Voltage
- Current Draw: 90mA Standby, 300mA max
- Bicolored Visual and Audio Feedback
- Dimensions: Narrow 4 1/2" x 1 3/4" x 3/4"

Single gang 4 1/2" x 2 3/4" x 3/4"  
Turnstile 4 1/8" x 2 1/8" x 1"



**iRox Turnstile**

Part No.

Description

<b>IRX-1</b>	iRox™ Narrow Wall Reader with iCLASS SE® Stainless Steel Faceplate, Clipped Corners
<b>IRX-1B</b>	iRox™ Narrow Wall Reader with iCLASS SE® Black Aluminum Faceplate, Radius Corners
<b>IRX-2</b>	iRox™ U.S. Single Gang Wall Reader with iCLASS SE® Stainless Steel Faceplate, Clipped Corners
<b>IRX-2B</b>	iRox™ U.S. Single Gang Wall Reader with iCLASS SE® Black Aluminum Faceplate, Radius Corners
<b>IRXP-1</b>	iRox Plus™ Narrow Wall Reader with MultiCLASS SE® Stainless Steel Faceplate, Clipped Corners
<b>IRXP-1B</b>	iRox Plus™ Narrow Wall Reader with MultiCLASS SE® Black Aluminum Faceplate, Radius Corners
<b>IRXP-2</b>	iRox Plus™ U.S. Single Gang Wall Reader with MultiCLASS SE® Stainless Steel Faceplate, Clipped Corners
<b>IRXP-2B</b>	iRox Plus™ U.S. Single Gang Wall Reader with MultiCLASS SE® Black Aluminum Faceplate, Radius Corners
<b>IRXT-XO</b>	iRox-T™ Turnstile Reader with iCLASS SE® X/O Illumination
<b>IRXPT-XO</b>	iRox-T™ Turnstile Reader with MultiCLASS SE® X/O Illumination
<b>IRXPT-XOBLE</b>	iRox-T™ Turnstile Reader with MultiCLASS SE® X/O Illumination with BLE for Mobile Access



**iRox Wall Reader**

**Custom Graphics Available**

**Proximity Readers**

**RoxProx™ Series**

RoxProx™ is a heavy duty 125 kHz Proximity Access Control reader with Genuine HID Technology™. Designed for all environments including extreme climate conditions and vandal prone areas, RoxProx features rugged metal construction, epoxy encapsulated electronics and a low profile, tamper resistant design.

- 125kHz Wiegand Proximity Reader with Genuine HID Technology™
- 1/8" Stainless Steel or Black Anodized Aluminum Faceplate
- 5 or 12VDC Field Selectable Input Voltage
- Current Draw: 50mA Standby, 150mA max
- IP 66 Rated - 40° C to +70° C, 100% Relative Humidity
- Dimensions: Mullion 4 1/2" x 1 3/4" x 3/4" Single gang 4 1/2" x 2 3/4" x 3/4"

**Custom Graphics Available**



**RoxProx**

Part No.

Description

<b>PRX-1</b>	RoxProx™ Narrow Proximity Reader Stainless Steel Faceplate, Blue Globe
<b>PRX-2</b>	RoxProx™ Single Gang Proximity Reader Stainless Steel Faceplate, Blue Globe
<b>PRX-1R</b>	RoxProx™ Narrow Proximity Reader Stainless Steel Faceplate, Red RFID
<b>PRX-2R</b>	RoxProx™ Single Gang Proximity Reader Stainless Steel Faceplate, Red RFID
<b>PRX2-1</b>	RoxProx II™ Narrow Proximity Reader Stainless Steel Faceplate, Blue Globe
<b>PRX2-1B</b>	RoxProx II™ Narrow Proximity Reader Black Aluminum Faceplate, Blue Globe
<b>PRX2-2</b>	RoxProx II™ Single Gang Proximity Reader Stainless Steel Faceplate, Blue Globe
<b>PRX2-2B</b>	RoxProx II™ Single Gang Proximity Reader Black Aluminum Faceplate, Blue Globe



**PRX-1**



**PRX-2R**



**PRX2-2B**

**Keypad Readers**

**KTP Series**

The KTP Series are virtually indestructible Keypad readers designed to interface with most access control panels. Built with Essex Piezoelectric Billion Cycle Switch Technology™, the KTP Series can be used in virtually any interior or exterior environment.

- Superior Performance: Switch technology tested over 1 Billion cycles.
- All Weather: IP66 Rated, - 40° C to +70° C (- 40° F to + 160° F), 100% Relative Humidity



KTP Series



**KTP 12 Pad 3x4**

- Dimensions: 5 1/8" x 3 3/8" x 7/16"
- Current Draw: < 20 mA
- Mounting: Single gang, surface or flush
- Keypad Bezel: Stainless Steel (SN), Black (KN) or no Bezel (XX)

Part No.

**KTP-103-SN**

Keypad Output

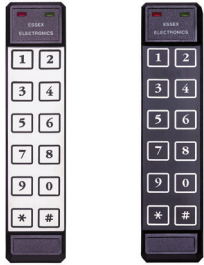
26 Bit Wiegand

**KTP-163-SN**

8 Bit Word

**KTP-4853-SN**

RS-485



**KTP Thinline 2x6**

- Dimensions: 7 1/8" x 1 3/4" x 3/4"
- Current Draw: < 20 mA, Illuminated: < 60 mA
- Mounting: Surface or mullion mount
- Keypad Overlay: Stainless Steel (SN) or Black Illuminated (LI)

Part No.

**KTP-102-SN**

Keypad Output

26 Bit Wiegand

**KTP-162-SN**

8 Bit Word

**Combination Keypad/Card Readers**

**PiezoProx®**

PiezoProx is a rugged dual technology access control reader which combines an Essex 3x4 Keypad with 125 kHz HID Proximity. PiezoProx is designed for harsh or vandal prone environments where a dual method of identification is desired.



- Genuine HID Technology™
- IP66 Rated, - 40° C to +70° C, 100% Relative Humidity
- Keypad Output: 26 Bit Wiegand (103) or 8 Bit Word (163)
- Keypad Bezel: Stainless Steel (SN) or Black (KN)
- Current Draw: < 80mA with LED's, < 35mA without LED's
- Mounting: Single gang switchbox or surface mount
- Dimensions: 7 1/4" x 3 5/8" x 1 1/2"



Part No.

**PPH-103-SN**

Description

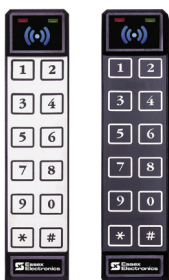
PiezoProx® Reader – HID Proximity w/26 Bit Wiegand Keypad, Stainless Bezel

**PPH-163-SN**

PiezoProx® Reader – HID Proximity w/8 Bit Word Keypad, Stainless Bezel

**T-Prox™**

T-Prox is a dual technology access control reader which combines an Essex Thinline 2x6 Keypad with HID125 kHz Proximity. Suitable for all indoor and outdoor applications, T-Prox is specifically designed for mullion mount installations to provide a dual method of identification.



- Genuine HID Technology™
- IP66 Rated, -40° C to +70° C, 100% Relative Humidity
- Keypad Overlay: Stainless Steel (S) or Black Illuminated (I)
- Current Draw: < 30mA, Illuminated < 100 mA
- Mounting: Surface or mullion mount
- Dimensions: 7 1/8" x 1 3/4" x 3/4"



Part No.

**TPX-26S**

Description

T-Prox Reader – Thinline 2x6 Keypad w/HID Proximity, Stainless Overlay

**TPX-26I**

T-Prox Reader – Thinline 2x6 Keypad w/HID Proximity, Black Illuminated Overlay

**Access Control Systems**

- All Weather Keypad
  - Request to Exit Input
  - Keypad Programmable
- Piezoelectric Switch Technology
  - Latching Output
  - Anti Tailgating
- Programmable Output Time
  - Tamper Alarm
  - Non Volatile Memory



**SKE-34/SKE-26**

**Multiple User, Self Contained, Access Control Keypad**



- 500 User
- 12-24VDC In/Out
- 3 Programmable Outputs
- 1 SPDT Relay (2 amp at 24V max)
- Keypad Programmable
- 2 Auxiliary Open Collector Outputs (¼A)
- 3x4 Bezel: Stainless (S) or Black (K).  
2x6 Overlay: Stainless (S) or Black Illuminated (I)

<u>Part No.</u>	<u>Description</u>
<b>SKE-34S</b>	SKE-34, 3x4 Keypad Stainless
<b>SKE-34K</b>	SKE-34, 3x4 Keypad Black
<b>SKE-26S</b>	SKE-26, 2x6 Keypad Stainless
<b>SKE-26I</b>	SKE-26, 2x6 Keypad Black
<b>SKE-34SE</b>	SKE-34, 3x4 Keypad Stainless for Elevators The SKE-34SE is CSA Listed for Elevator Access Control (CSA)

SKE Elevator



SKE Commercial



**K1 Series**

**All-In-One, Multi Format Keypad Reader (26 Bit Wiegand, 8 Bit Word, BCD, Serial ASCII)**



Field configurable as an OEM Compatible Reader or 500 User Keyless Entry System (\*may require external relays)

- 5VDC or 12-24VDC In/Out
- 3 Programmable D.C. Outputs
- Keypad Programmable
- 3x4 Bezel: Stainless (S) or Black (K) 2x6 Overlay: Stainless (S) or Black Illuminated (I)

<u>Part No.</u>	<u>Description</u>
<b>K1-34S</b>	K1, 12 Pad 3x4 Stainless
<b>K1-34K</b>	K1, 12 Pad 3x4 Black
<b>K1-26S</b>	K1, Thinline 2x6 Stainless
<b>K1-26I</b>	K1, Thinline 2x6 Black

K1 Series



**KE-265**

**Secure, Stand Alone Keypad Access Control System**



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

<u>Part No.</u>	<u>Description</u>
<b>KE-265-5S</b>	KE-265 w/5 Pad Stainless
<b>KE-265-34S</b>	KE-265 w/12 Pad 3x4 Stainless

KE-265



For multiple door Web based Access Control Solutions, please contact Essex at 1-800-KEYLESS

**Accessories**

**Stainless Spy Proof Housing**



The Stainless Steel Spy Proof Housing provides illumination and serves to limit the view of an unwelcome onlooker.

- 5 5/8" x 3 3/8" x 1" to 2 1/4"
- Long Lasting LED's

<u>Part No.</u>	<u>Description</u>
<b>SH-34S</b>	Non Illuminated Spy Proof Housing
<b>SH-34SI-12</b>	12VDC Illuminated Spy Proof Housing

**Mullion Spacer Ring**



The surface mount spacer ring is designed to simplify mullion mount installations. The spacer ring is constructed of black anodized aluminum. For use with narrow PEB, iRox, RoxProx and Hand-E-Wave.

<u>Part No.</u>	<u>Description</u>
<b>PRXR</b>	Mullion spacer ring

**Stainless Back Box**

The Stainless Steel Back Box solves various installation challenges. For use with 3x4 keypads and single gang iRox and RoxProx readers & switches.

- 5 3/8" x 3 5/8" x 1/2" to 1 3/4"
- Conduit knockout

<u>Part No.</u>	<u>Description</u>
<b>BAK BOX-SGS</b>	Single Gang Back Box

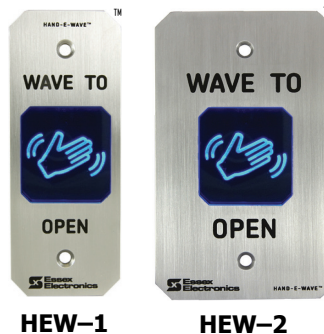


**No Touch Switches**

**Hand-E-Wave™**

Hand-E-Wave is a rugged hands-free switch built with advanced 24GHz Doppler radar technology. Ideal for use in sterile environments (i.e. hospitals, clean rooms and food processing plants) Hand-E-Wave's no touch activation reduces the spread of bacteria and infectious diseases.

- Power Requirements: 5VDC or 12-24VAC/DC\*
- One SPDT Relay, 2A 30VDC Resistive, ½A 125VAC
- Adjustable detection range: 2 to 24 inches
- Visual and selectable Audio (On/Off) feedback
- Field Selectable Output Mode Toggle or Adjustable Output Time



<u>Part No.</u>	<u>Description</u>
<b>HEW-1</b>	Hand-E-Wave™ Narrow Switch, Stainless Steel Faceplate, Clipped Corners
<b>HEW-2</b>	Hand-E-Wave™ U.S. Single Gang Switch, Stainless Steel Faceplate, Clipped Corners
<b>HEW-2W</b>	Hand-E-Wave™ U.S. Single Gang Switch, White Powder coat Faceplate, Square Corners
<b>HEW-3SQ</b>	Hand-E-Wave™ U.S. Double Gang Switch, Stainless Steel Faceplate, Square Corners

**Custom Graphics Available**

**Piezoelectric Touch Switches**

Hand-E-Tap® and the PEB Series are heavy duty, stainless steel, configurable REX devices designed to operate in various high use, harsh and vandal prone environments. All Essex Touch Switches are built with solid-state Piezoelectric Billion Cycle Switch technology.

**Hand-E-Tap® Series**

- Power Requirements: 12-24VAC/DC\*
- One Output: 1SPDT Relay (8A @ 30VDC, 125 VAC)
- Toggle or Adjustable Output Time: 1 to 60 seconds
- Dimensions: Single gang 5 ½" x 3 ¾" x 1"

The Hand-E-Tap Series can be customized with laser marked graphics, text, symbols or logos.



<u>Part No.</u>	<u>Description</u>
<b>PHSS1-US</b>	Hand-E-Tap Access Switch, ADA Wheelchair Icon, Stainless Bezel
<b>PHSK2-US</b>	Hand-E-Tap Access Switch, "Push to Open", Black Bezel

**PHSS1-US**

**PHSK2-US**

**PEB Series**

- Power Requirements: 12-24VDC\*
- Two Outputs: 1 N/O, 1 N/C (2A 30VDC Resistive, ½A 125 VAC)
- Adjustable Output Time: 1 to 40 seconds
- Dimensions: Single gang 4 ½" x 2 ¾" x 1 ¼"    Narrow 4 ½" x 1 ¾" x 1 ¼"

<u>Part No.</u>	<u>Description</u>	<u>Faceplate Graphics</u>
<b>PEBSS2-US</b>	U.S. Single Gang	"PUSH TO EXIT"
<b>PEBSS6-US</b>	U.S. Single Gang	"PUSH TO OPEN"
<b>PEBSSN2</b>	Narrow Switch	"PUSH TO EXIT"
<b>PEBSSN6</b>	Narrow Switch	"PUSH TO OPEN"



**PEBSSN2**

**PEBSS2-US**

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

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

Specifications subject to change without notice.



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