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.

- High or Dual Frequency Wiegand Reader with Genuine HID Technology™
- iCLASS SE® (13.56MHz) or MultiCLASS SE® (13.56MHz and 125KHz)
- ¼" 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 ½" x 2 ¾" x ¾" Turnstile 4 ⅝" x 2 ⅝" x 1"

**Proximity Readers**

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™
- ¼" 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: MultiGlo 4 ½" x 1 ⅜" x ¾" Single gang 4 ½" x 2 ⅝" x ¾"
- Turnstile 4 ⅝" x 2 ⅝" x 1"

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRX-1</td>
<td>RoxProx™ Narrow Proximity Reader Stainless Steel Faceplate, Blue Globe</td>
</tr>
<tr>
<td>PRX-2</td>
<td>RoxProx™ Single Gang Proximity Reader Stainless Steel Faceplate, Blue Globe</td>
</tr>
<tr>
<td>PRX-1R</td>
<td>RoxProx™ Narrow Proximity Reader Stainless Steel Faceplate, Red RFID</td>
</tr>
<tr>
<td>PRX-2R</td>
<td>RoxProx™ Single Gang Proximity Reader Stainless Steel Faceplate, Red RFID</td>
</tr>
<tr>
<td>PRX2-1</td>
<td>RoxProx™II Narrow Proximity Reader Stainless Steel Faceplate, Blue Globe</td>
</tr>
<tr>
<td>PRX2-1B</td>
<td>RoxProx™II Narrow Proximity Reader Black Aluminum Faceplate, Blue Globe</td>
</tr>
<tr>
<td>PRX2-2</td>
<td>RoxProx™II Single Gang Proximity Reader Stainless Steel Faceplate, Blue Globe</td>
</tr>
<tr>
<td>PRX2-2B</td>
<td>RoxProx™II Single Gang Proximity Reader Black Aluminum Faceplate, Blue Globe</td>
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</table>
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 12 Pad 3x4
- Dimensions: 5 ¼” x 3 ¾” x 7/16”
- Current Draw: < 20 mA
- Mounting: Single gang, surface or flush
- Keypad Bezel: Stainless Steel (SN), Black (KN) or no Bezel (XX)

KTP Thinline 2x6
- Dimensions: 7 ¼” x 1 ¾” x ¾”
- Current Draw: < 20 mA, Illuminated: < 60 mA
- Mounting: Surface or mullion mount
- Keypad Overlay: Stainless Steel (SN) or Black Illuminated (LI)

Part No. Keypad Output
KTP–103–SN 26 Bit Wiegand
KTP–163–SN 8 Bit Word
KTP–4853–SN RS-485

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 ¼” x 3 ¾” x 7/16”

Part No. Description
PPH–103–SN 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 ¼” x 1 ¾” x ¾”

Part No. Description
TPX–26S 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
For multiple door Web based Access Control Solutions, please contact Essex at 1-800-KEYLESS

**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)

**KI 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 O.C. Outputs
- Keypad Programmable
- 3x4 Bezel: Stainless (S) or Black (K)

**KE-265 Secure, Stand Alone Keypad Access Control System**
- 5 User
- 12–24VAC/DC In/Out
- 2 SPDT Relays (6 amp, 120VAC)
- Keypad Programmable
- Separate control module

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.
- 5¾" x 3¾" x 1" to 2¼"
- Long Lasting LEO’s

**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.

**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 ¾” x 3 ¾” x ½” to 1¾”
- Conduit knockout
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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEW–1</td>
<td>Hand-E-Wave™ Narrow Switch, Stainless Steel Faceplate, Clipped Corners</td>
</tr>
<tr>
<td>HEW–2</td>
<td>Hand-E-Wave™ U.S. Single Gang Switch, Stainless Steel Faceplate, Clipped Corners</td>
</tr>
<tr>
<td>HEW–2W</td>
<td>Hand-E-Wave™ U.S. Single Gang Switch, White Powder coat Faceplate, Square Corners</td>
</tr>
<tr>
<td>HEW–3SQ</td>
<td>Hand-E-Wave™ U.S. Double Gang Switch, Stainless Steel Faceplate, Square Corners</td>
</tr>
</tbody>
</table>

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: SPDT Relay (8A @ 30VDC, 125VAC)
- Toggle or Adjustable Output Time: 1 to 60 seconds
- Dimensions: Single gang 5½” x 3½” x 1”

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PHSS1–US</td>
<td>Hand-E-Tap Access Switch, ADA Wheelchair Icon, Stainless Bezel</td>
</tr>
<tr>
<td>PHSK2–US</td>
<td>Hand-E-Tap Access Switch, “Push to Open”, Black Bezel</td>
</tr>
</tbody>
</table>

PEB Series

- Power Requirements: 12–24VAC*
- Two Outputs: N/O, N/C (2A 30VDC Resistive, ½A 125VAC)
- Adjustable Output Time: 1 to 40 seconds
- Dimensions: Single gang 4 ½” x 2 ¾” x 1½” Narrow 4 ½” x 1 ¾” x 1½”

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Faceplate Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEBSS2–US</td>
<td>U.S. Single Gang</td>
<td>“PUSH TO EXIT”</td>
</tr>
<tr>
<td>PEBSS6–US</td>
<td>U.S. Single Gang</td>
<td>“PUSH TO OPEN”</td>
</tr>
<tr>
<td>PEBSSN2</td>
<td>Narrow Switch</td>
<td>“PUSH TO EXIT”</td>
</tr>
<tr>
<td>PEBSSN6</td>
<td>Narrow Switch</td>
<td>“PUSH TO OPEN”</td>
</tr>
</tbody>
</table>

Custom Graphics Available

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

Specifications subject to change without notice.

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LP01/2019/R3 This document is available at www.keyless.com/PDF/pov.pdf

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.

Hand-E-Tap

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.

PEB Series

- Power Requirements: 12–24VAC*
- Two Outputs: N/O, N/C (2A 30VDC Resistive, ½A 125VAC)
- Adjustable Output Time: 1 to 40 seconds
- Dimensions: Single gang 4 ½” x 2 ¾” x 1½” Narrow 4 ½” x 1 ¾” x 1½”

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.

Hand-E-Tap

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