

## Smart Card Readers

### iRox™ Series

iRox™ and iRox Plus™ are heavy duty smart card readers with Genuine HID Technology™. These all weather IP66 rated readers feature stainless steel construction, epoxy encapsulated electronics, audiovisual feedback and a vandal resistant recessed design. iRox features iCLASS SE® which reads HID 13.56 MHz high frequency formats. iRox Plus with MultiCLASS SE® adds 125 kHz proximity for dual frequency applications.



**NEW**



**EX-IRX2**



**EX-IRXP2**

- 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 Faceplate
- 5 or 12VDC Field Selectable Input Voltage
- Current Draw: 90mA Standby, 300mA max
- IP 66 Rated
- - 40° C to +70° C [- 40° F to + 160° F], 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
- Designed and Manufactured in the U.S.A.



**ADI Part No.**

**Description**

<b>EX-IRX1</b>	Narrow Style iRox™ iCLASS SE® Reader
<b>EX-IRX2</b>	U.S. Single Gang iRox™ iCLASS SE® Reader
<b>EX-IRXP1</b>	Narrow Style iRox Plus™ MultiCLASS SE® Reader
<b>EX-IRXP2</b>	U.S. Single Gang iRox Plus™ MultiCLASS SE® Reader
<b>EX-FOB20505</b>	50 ea. HID iCLASS Keyfobs (13.56MHz, 37 Bit iCLASS)
<b>EX-CARD20801</b>	100 ea. HID Clamshell iCLASS Cards (13.56MHz, 37 Bit iCLASS)



**EX-FOB2050**

**EX-CARD2080**

iRox mounting accessories are available on page 4

## Proximity Readers

### RoxProx™ Series

RoxProx™ is an extreme duty 125 kHz Proximity reader with Genuine HID Technology™. RoxProx features include stainless steel construction, epoxy encapsulated electronics, audiovisual feedback and a low profile, vandal resistant design.

- 125kHz Wiegand Proximity Reader with Genuine HID Technology™
- 1/8" Stainless Steel Faceplate
- 5 or 12VDC Field Selectable Input Voltage
- Current Draw: 50mA Standby, 150mA max
- IP 66 Rated, - 40° C to +70° C [- 40° F to + 160° F], 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



**EX-PRX1**



**EX-PRX2R**

**RoxProx II**



**EX-PRX21**



**ADI Part No.**

**Description**

<b>EX-PRX1</b>	RoxProx™ Narrow Proximity Reader with <b>Essex Globe design</b>
<b>EX-PRX2</b>	RoxProx™ Single Gang Proximity Reader with <b>Essex Globe design</b>
<b>EX-PRX1R</b>	RoxProx™ Narrow Proximity Reader with <b>Essex Red RFID design</b>
<b>EX-PRX2R</b>	RoxProx™ Single Gang Proximity Reader with <b>Essex Red RFID design</b>
<b>EX-PRX21</b>	RoxProx II™ Narrow Proximity Reader with <b>Essex Globe design</b>
<b>EX-PRX22</b>	RoxProx II™ Single Gang Proximity Reader with <b>Essex Globe design</b>
<b>EX-FOB134650</b>	50 ea. HID Prox Keyfobs (125kHz 26 Bit Wiegand)
<b>EX-CARD13261</b>	100 ea. HID Clamshell Prox Cards II (125 kHz 26 Bit Wiegand)



**EX-FOB134650**

**EX-CARD13261**

RoxProx mounting accessories are available on page 4

## Keypad Readers

### KTP Series

The KTP Series are virtually indestructible Piezoelectric Keypad readers designed to interface with access control panels or process control equipment. Fully encapsulated, these readers are unsurpassed in their ability to tolerate any environment.

- Superior Performance: Essex Proprietary 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 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)

ADI Part No.

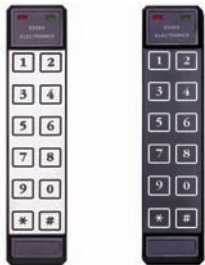
**EX-KT103SN**

**EX-KTP163SN**

Keypad Output

26 Bit Wiegand

8 Bit Word



#### KTP Thinline 2x6

The Thinline 2x6 is a narrow style Keypad designed for Mullion Mount applications.

- 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)

ADI Part No.

**EX-KT102SN**

**EX-KTP162SN**

Keypad Output

26 Bit Wiegand

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. Stainless Steel Piezoelectric Keypad and encapsulated card reader are designed for harsh or vandal prone environments.



- 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"

ADI Part No.

**EX-PPH103SN**

**EX-PPH163SN**

Description

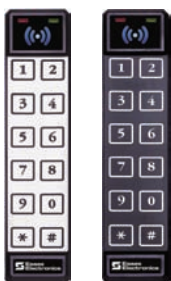
PiezoProx® Reader – HID Proximity w/26 Bit Wiegand Keypad, Stainless Bezel

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 125 kHz HID Proximity. Suitable for all indoor and outdoor applications, T-Prox is specifically designed for mullion mount installations where a dual method of identification is desired.



- 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"

ADI Part No.

**EX-TPX26S**

**EX-TPX26I**

Description

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

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



HID Proximity Cards and Keyfobs are available on page 1

## 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)
- Doorbell and CCTV Outputs (¼A)
- Keypad Programmable

<u>ADI Part No.</u>	<u>Description</u>
<b>EX-SKE6SN</b>	SKE-6, Stainless Overlay
<b>EX-SKE6LI</b>	SKE-6, 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)
- Keypad Programmable
- 2 Auxiliary Open Collector Outputs (¼A)
- 3x4 Bezel: Stainless (S) or Black (K). 2x6 Overlay: Stainless (S) or Black Illuminated (I)

<u>ADI Part No.</u>	<u>Description</u>
<b>EX-SKE34S</b>	SKE-34, 3x4 Stainless
<b>EX-SKE26I</b>	SKE-26, 2x6 Black Illuminated



### 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>ADI Part No.</u>	<u>Description</u>
<b>EX-KE265SS</b>	KE-265 w/5 Pad Stainless



### K1



#### All-In-One, Secure Keypad Access Control System or OEM Reader (26 Bit Wiegand, 8 Bit Word,...)

- Configure as OEM Compatible Reader or Keyless Entry System
- 500 User
  - 5VDC or 12-24VDC In/Out
  - 3 Programmable Outputs
  - Keypad Programmable
  - 3x4 Bezel: Stainless (S) or Black (K) 2x6 Overlay: Stainless (S) or Black Illuminated (I)
  - Optional Encoded Relay Module (ERM-3) with 3 SPDT Relays (6 amp, 120VAC) for secure access

<u>ADI Part No.</u>	<u>Description</u>
<b>EX-K134S</b>	K1, 12 Pad 3x4 Stainless
<b>EX-K126S</b>	K1, Thinline 2x6 Stainless
<b>EX-K134SERM3</b>	K1, 12 Pad 3x4 Stainless + ERM-3
<b>EX-K126SERM3</b>	K1, Thinline 2x6 Stainless + ERM-3



### Keyless IP



#### Stand Alone, Single Door IP 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
  - DHCP or Static IP networks
  - 3x4 Bezel: Stainless (S) or Black (K) 2x6 Overlay: Stainless (S) or Black (I)
  - 802.3af PoE (Power Over Ethernet)
  - Keypad, Proximity, Smart Card or Combination Keypad/Card Reader
  - Browser "Door Dashboard" accesses remote door commands, status, alarms and recent events
- Additional system configurations available. Contact Essex for details.

<u>ADI Part No.</u>	<u>Description</u>
<b>EX-KIP34S</b>	Keyless IP, 12 Pad 3x4 Stainless Keypad
<b>EX-KIPRX2</b>	Keyless IP, RoxProx, Single Gang Globe
<b>EX-KIP26S</b>	Keyless IP, Thinline 2x6 Stainless Keypad



Web Browser



» For multiple door Keyless IP Access Control Systems, please contact Essex at 1-800-KEYLESS

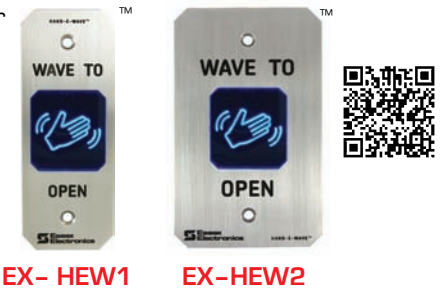
## No Touch Switches

### Hand-E-Wave™

Hand-E-Wave is a rugged, stainless steel, hands free switch with advanced 24GHz Doppler radar technology. Ideal for use in sterile environments such as hospitals, Hand-E-Wave's no touch activation helps reduce 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

ADI Part No.	Description
<b>EX-HEW1</b>	Narrow Style Hand-E-Wave™ Switch
<b>EX-HEW2</b>	U.S. Single Gang Hand-E-Wave™ Switch



## 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 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 5½" x 3⅜" x 1"

ADI Part No.	Description
<b>EX-PHSS1US</b>	Hand-E-Tap Access Switch, ADA Wheelchair Icon, Stainless
<b>EX-PHSK2US</b>	Hand-E-Tap Access Switch, "Push to Open", Black Bezel

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



### 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"

ADI Part No.	Description	Faceplate Graphics
<b>EX-PEBSS2US</b>	U.S. Single Gang	"PUSH TO EXIT"
<b>EX-PEBSS6US</b>	U.S. Single Gang	"PUSH TO OPEN"
<b>EX-PEBSSN2</b>	Narrow Switch	"PUSH TO EXIT"
<b>EX-PEBSSN6</b>	Narrow Switch	"PUSH TO OPEN"



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.

## Accessories

### Stainless Spy Proof Housing



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

- 5⅝" x 3⅝" x 1" to 2¼"
- Long Lasting LED's

ADI Part No.	Description
<b>EX-SH34SI5</b>	5VDC Illuminated Housing
<b>EX-SH34SI12</b>	12VDC Illuminated 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.

ADI Part No.	Description
<b>EX-PRXSR</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 ⅜" x 3 ⅝" x ½" to 1¾"
- Conduit knockout

ADI Part No.	Description
<b>EX-BAKBOXSGS</b>	Single Gang Back Box



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