

Touchless Switches

Hand-E-Wave™

Hand-E-Wave is a ruggedized touchless switch with advanced 24GHz Doppler radar technology. Ideal for use in public areas where sanitation is a concern including healthcare, education, commercial corporate and retail facilities, Hand-E-Wave's no touch activation reduces the spread of viruses, bacteria and infectious diseases. An optional manual override (HEWMO) is available for emergency egress applications.



Hand-E-Wave



HEW-1B



HEW-2W



HEW-3S

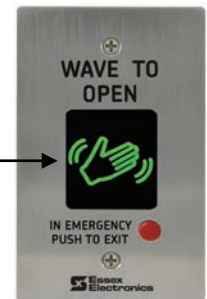
- Power Requirements: 12-24VAC/DC*
- One DPDT Relay, 2A 30VDC Resistive, ½A 125VAC
- Field Selectable Timed or Toggle Output
- Adjustable Detection Zone: 2 to 24 inches
- Vandal Resistant 1/8" Stainless Steel faceplate
- Easy to Clean and Sanitize
- Developed and Manufactured in the U.S.A.
- Customization Options
- Visual and selectable On/Off Audio Feedback
- HEWMO adds fail safe to NC contacts and a manual override button with 0.5 to 60 second timer.

Part No.

Description

| | |
|---------|---|
| HEW-1B | Narrow/Jamb, Hand-E-Wave™, Black Faceplate |
| HEW-1S | Narrow/Jamb, Hand-E-Wave™, Stainless Faceplate |
| HEW-2B | U.S. Single Gang, Hand-E-Wave™, Black Faceplate |
| HEW-2S | U.S. Single Gang, Hand-E-Wave™, Stainless Faceplate |
| HEW-2W | U.S. Single Gang, Hand-E-Wave™, White Faceplate |
| HEW-3B | U.S. Double Gang, Hand-E-Wave™, Black Faceplate |
| HEW-3S | U.S. Double Gang, Hand-E-Wave™, Stainless Faceplate |
| HEW-3W | U.S. Double Gang, Hand-E-Wave™, White Faceplate |
| HEWMO-1 | Narrow/Jamb, Hand-E-Wave™, Stainless Faceplate with Manual Override |
| HEWMO-2 | U.S. Single Gang, Hand-E-Wave™, Stainless Faceplate with Manual Override |
| HEWMO-3 | U.S. Double Gang, Hand-E-Wave™, Stainless Faceplate with Manual Override |
| TWM | Two Wire Module (hardwired for retrofit two wire mechanical switch replacement) |

The illuminated hand symbol changes from blue to green, when motion is detected in the detection zone.



HEWMO-2

Piezoelectric Touch Switches

The PEB Series are industrial grade, stainless steel, illuminated, Piezoelectric Touch switches designed to operate in various high use, harsh and vandal prone environments. Utilizing Essex Billion Cycle Switch Technology, the PEB Series features field selectable illumination. Brilliant red, vibrant green or no illumination can be selected for standby and switch activation status. The PEB Series is designed to control an automatic door, electric lock/strike or magnetic lock.

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> | <u>Corners</u> |
|-----------------|-------------------------|---------------------------|----------------|
| PEBSS0-US | U.S. Single Gang Switch | No Graphics | Clipped |
| PEBSS2-US | U.S. Single Gang Switch | "PUSH TO EXIT" | Clipped |
| PEBSS3-US | U.S. Single Gang Switch | "PUSH TO EXIT" | Square |
| PEBSS6-US | U.S. Single Gang Switch | "PUSH TO OPEN" | Clipped |
| PEBSSN0 | Narrow Switch | No Graphics | Clipped |
| PEBSSN2 | Narrow Switch | "PUSH TO EXIT" | Clipped |
| PEBSSN6 | Narrow Switch | "PUSH TO OPEN" | Clipped |



PEBSSN2



PEBSS2-US

PEB Series



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

Smart Card Readers

iRox™ Series

iRox™ and iRox Plus™ are professional grade, heavy duty smart card readers with Genuine HID Technology™. iRox readers feature epoxy encapsulated electronics in a recessed vandal and ligature resistant design. iRox reads iCLASS SE credentials including HID Seos™. iRoxPlus reads 13.56MHz HF credentials and 125kHz Proximity. iRox-T is an optimally tuned turnstile reader ideal for compact metal environments.



IRX-1B

IRXP-2S

IRXPT-XO
(Turnstile)

Part No.

Description

| | |
|-------------------|---|
| IRX-1B | iRox™ Narrow Wiegand Wall Reader with iCLASS SE® Black Faceplate |
| IRX-1S | iRox™ Narrow Wiegand Wall Reader with iCLASS SE® Stainless Faceplate |
| IRX-2B | iRox™ U.S. Single Gang Wiegand Wall Reader with iCLASS SE® Black Faceplate |
| IRX-2S | iRox™ U.S. Single Gang Wiegand Wall Reader with iCLASS SE® Stainless Faceplate |
| IRXP-1B | iRox Plus™ Narrow Wiegand Wall Reader with MultiCLASS SE® Black Faceplate |
| IRXP-1S | iRox Plus™ Narrow Wiegand Wall Reader with MultiCLASS SE® Stainless Faceplate |
| IRXP-2B | iRox Plus™ U.S. Single Gang Wiegand Wall Reader with MultiCLASS SE® Black Faceplate |
| IRXP-2S | iRox Plus™ U.S. Single Gang Wiegand Wall Reader with MultiCLASS SE® Stainless Faceplate |
| IRXPT-XO | iRox-T™ Turnstile Wiegand Reader with MultiCLASS SE® X/O Illumination |
| IRXPT-OXO | iRox-T™ Turnstile OSDP Reader with MultiCLASS SE® X/O Illumination |
| IRXPT-OMXO | iRox-T™ Turnstile OSDP Reader with MultiCLASS SE® X/O Illumination, HID Mobile Access Ready |

- iCLASS SE® (13.56MHz) or MultiCLASS SE® (13.56MHz and 125kHz) Frequency
- Genuine HID Technology™
- 1/8" Stainless Steel Faceplate 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
- iRox-T: Wiegand or Optional OSDP
HID Mobile Access Ready (with BLE Option)
- 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 Wall Reader



Custom Graphics Available



iRox Turnstile



125kHz 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

| | |
|----------------|--|
| PRX-1 | RoxProx™ Narrow Proximity Reader Stainless Faceplate, Blue Globe |
| PRX-2 | RoxProx™ Single Gang Proximity Reader Stainless Faceplate, Blue Globe |
| PRX-1R | RoxProx™ Narrow Proximity Reader Stainless Faceplate, Red RFID |
| PRX-2R | RoxProx™ Single Gang Proximity Reader Stainless Faceplate, Red RFID |
| PRX2-1 | RoxProx II™ Narrow Proximity Reader Stainless Faceplate, Blue Globe |
| PRX2-1B | RoxProx II™ Narrow Proximity Reader Black Faceplate, Blue Globe |
| PRX2-2 | RoxProx II™ Single Gang Proximity Reader Stainless Faceplate, Blue Globe |
| PRX2-2B | RoxProx II™ Single Gang Proximity Reader Black Faceplate, Blue Globe |



PRX-1



PRX-2R



PRX2-2B

RoxProx II

Keypad Readers

KTP Series

The KTP Series are virtually indestructible Keypad readers designed to interface with most access control panels or automated control equipment. 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 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. | Keypad Output |
|--------------------|----------------|
| KTP-103-SN | 26 Bit Wiegand |
| KTP-163-SN | 8 Bit Word |
| KTP-4853-SN | RS-485 |



KTP Series



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. | Keypad Output |
|-------------------|----------------|
| KTP-102-SN | 26 Bit Wiegand |
| KTP-162-SN | 8 Bit Word |

Combination Keypad/Card Readers

PiezoProx® and iSMART SE™

PiezoProx is a rugged dual technology access control reader which combines an Essex 3x4 Keypad with 125 kHz HID Proximity. iSMART features 13.56MHz iCLASS. Both PiezoProx and iSMART are 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 3/8" x 1 1/2"

| 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 |
| ISH-34-SN | iSMART Reader – HID iCLASS with KI Series Multi Format Keypad, Stainless Bezel |

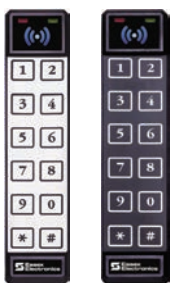


PiezoProx
iSMART



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. | 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 |



T-Prox

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

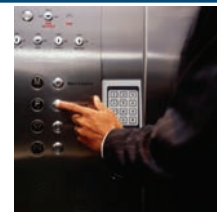
SKE-34/SKE-26



Multiple User, Self Contained, Access Control Keypad

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

| Part No. | Description |
|-----------------|--|
| SKE-34S | SKE-34, 3x4 Keypad Stainless |
| SKE-34K | SKE-34, 3x4 Keypad Black |
| SKE-26S | SKE-26, 2x6 Keypad Stainless |
| SKE-26I | SKE-26, 2x6 Keypad Black |
| SKE-34SE | SKE-34, 3x4 Keypad Stainless for Elevators The SKE-34SE is CSA Listed for Elevator Access Control (CSA B44.1/ASME 17.5) |



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
- 3x4 Bezel: Stainless (S) or Black (K).
2x6 Overlay: Stainless (S) or Black Illuminated (I)

| Part No. | Description |
|---------------|----------------------------|
| K1-34S | K1, 12 Pad 3x4 Stainless |
| K1-34K | K1, 12 Pad 3x4 Black |
| K1-26S | K1, Thinline 2x6 Stainless |
| K1-26I | K1, Thinline 2x6 Black |

K1 Series



Accessories

Narrow Spacer Rings and Extension Back Boxes



The Surface Mount Spacer Rings and Extension Back Boxes are designed to simplify product installation.

- Spacer rings: Black powder coat aluminum
- Extension Back Box: Grey powder coat aluminum

| Part No. | Description |
|--------------------|---|
| SR-1 | Surface Mount Black Spacer Ring for narrow HEW's and iRox |
| PRXSR | Surface Mount Black Spacer Ring for narrow PEB and RoxProx |
| BAK BOX-SGE | Surface Mount Grey Extension Back Box for Single Gang HEW's |
| BAK BOX-DGE | Surface Mount Grey Extension Back Box for Double Gang HEW's |

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

| Part No. | Description |
|-------------------|---|
| SH-34S | Non Illuminated Spy Proof Housing for 3x4 Keypads |
| SH-34SI-12 | 12VDC Illuminated Spy Proof Housing for 3x4 Keypads |
| SH-34WK | Illuminated, Wide Black Spy Proof Housing for iSMART SE™ and Piezoprox® |

Stainless Back Box



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

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

| Part No. | Description |
|--------------------|--|
| BAK BOX-SGS | Stainless Steel Single Gang Angle Mount Back Box |

