

PROXIMITY REFERENCE GUIDE



A COMPANY YOU CAN TRUST



QUALITY

"I am most satisfied with the durability of the HID proximity readers. It is because of that success that we're going with HID for our smart card program."

U.S. FORTUNE 500 END USER CUSTOMER

VALUE

"HID is the Big Blue of the security card industry, so the value of selling their product is tremendous."

U.S. DISTRIBUTION CUSTOMER

With over 200 million credentials in use around the world, HID is the market leader in contactless cards and readers for access control. Our global reputation for delivering quality, value, partnership, and service excellence to our customers is unsurpassed in the security industry. Here's why:

HID products are the highest quality in the industry, so it makes good sense for us to offer the best Lifetime Product Warranty in the business. We're proud of our reputation for quality and reliability. And we earn it everyday with products designed to ensure our customers can keep coming back to us with confidence.



HID quality management systems are registered as meeting the requirements of ISO 9001/ANSI/ASQ Q9001:2000. Statistical process controls (SPC) are used and constantly monitored throughout HID's manufacturing processes. Our Management Operating System (MOS) is designed to provide real-time feedback on productivity and variances. Variance analysis is used to continuously identify opportunities for process and product improvements.

HID's industry standard products are designed for quality, performance, and high-volume manufacturability. This means our customers receive the best overall price/performance value in the industry.

Access control users, security systems integrators, access control system OEMs, distributors, and dealers select genuine HID products with confidence because it is the brand most trusted to deliver the broadest product line of quality products at an affordable price, backed by excellent service. HID adds value to your business.





AT HID, IT'S ALL ABOUT DELIVERING **QUALITY, VALUE, PARTNERSHIP,** AND **SERVICE** TO OUR CUSTOMERS. THAT'S WHY HID IS SELECTED MORE THAN ANY OTHER BRAND.

PARTNERSHIP **SERVICE**

"I am always kept up to date with changes in the product lines. I am advised about the latest training and I have extremely good rapport with all of my HID contacts."

U.S. SECURITY SYSTEM INTEGRATOR CUSTOMER

"Customer service is exceptional in terms of the turn-around time on orders. Sometimes I can get an order filled overnight. Also, the online order status service does an excellent job of monitoring the delivery status of orders."

LATIN AMERICAN DISTRIBUTION CUSTOMER

HID's market leadership is based on our long-standing tradition of partnering with our customers. Partnership is about mutual understanding, resolving issues as a team, and relationships built on respect and trust. The HID sales, service, and support teams are friendly and easy to do business with. We're continuously developing programs that will strengthen relationships with our customers and help improve their business performance.

This is why HID has become a trusted advisor to our commercial, technology, and consultant partners. By staying close to our customers, HID is constantly at the forefront of product innovation, feature enhancements, timely communications, highly-effective training, and cooperative marketing programs.

Service and support excellence around the globe is the mission of dedicated HID sales, service, and support teams in the U.S., Canada, Mexico, Brazil, Argentina, the United Kingdom, France, The Netherlands, Germany, India, Singapore, Hong Kong, China, and Korea. With many of our most popular products available for shipment with 48 hours of order receipt, HID is committed to offering the best lead times in the industry along with fast, friendly customer service. And our online ordering and status tools for direct HID customers are available 24x7 worldwide.

From specification to installation, HID technical support professionals are just a phone call away and available to resolve issues, make recommendations and answer questions. Be sure to check our website at www.hidcorp.com for our expanding menu of web-based support tools.



PARTNER WITH HID TO DELIVER THE PRODUCTS AND SOLUTIONS THAT END USERS EXPECT.



PRIORITY PROX

HID's free Priority Prox service delivers the most popular prox cards in 48 hours or less!

The Priority Prox service from the company's Irvine, California facility applies to North American direct customers* on order quantities between 100 and 500 cards.

The ISOProx® II (1336) 125 kHz proximity card, DuoProx® II (1336) 125 kHz proximity card with magnetic stripe, and ProxCard® II (1326) 125 kHz proximity card with optional PVC overlay are part of this program and feature card programming and inkjet card numbering and have an up to 84-bit proximity format. The ProxCard II (1326) includes a standard slot punch and is constructed of molded plastic. ISOProx II and DuoProx II are constructed of PVC laminate with a gloss finish.

The service guarantees 48-hour shipment after receipt of complete card ordering information and HID acknowledgement. Due to the quick turnaround on Priority Prox orders, the company's 24-hour order cancellation/change policy does not apply.

HIGH PERFORMANCE CARD SERVICES

Advanced security, custom programming, card printing, and service bureau.

Security systems integrators and dealers can deliver superior service by offering HID High Performance Card Services to your most important customers. Custom pre-printed artwork and visual security features enhance the value of HID technology cards and enable integrators to expand their value-added services portfolio. Features available on HID High Performance Card Services include custom surface and laminated printing, laminated UV images and text, a complete menu of standard and custom holograms, and embedded Optical Variable Devices (OVDs).

Select the HID technology card type, provide customer artwork and graphics, define security features, and HID will do the rest. HID High Performance Card Services mean that dealers and integrators will be able to better serve their customers by maintaining a stock of customer cards for their best customers, ready for personalization with text, photo images, bar codes, etc.

Additional advanced security features and card personalization bureau services are available to HID technology card integrators and dealers from AccessID (www.secureaccessid.com).

* Please contact your HID sales representative for more information.



CORPORATE 1000

ePROX

End-user owned and controlled card formats increase security and ease of management.

HID proximity-embedded products provide great end-user solutions.

The Corporate 1000 format is a 35-bit card format that is owned and controlled by the end-user. To enhance facility security, HID provides end-users with their own proprietary protocol. Once the Corporate 1000 format is established,



end-users have the flexibility to choose almost any access control hardware/

software platform or system integrator. Whatever system or vendor is chosen, end-users maintain the ability to use a single access card at any site across the nation or around the world.

- Cards can be customized with a photo ID, custom artwork, magnetic stripe, bar code, or contact smart chip module.
- HID tracks the card numbers to ensure that no duplication occurs.
- Any HID access control card can be programmed with the assigned format.

HID's eProx (embedded proximity) technology is an integral component for such products as access control cards and readers, biometric identification systems, electronic door locks, computer and network security products, electronic alarm systems, and time and attendance systems. HID has developed technical partnerships involving many innovative products and applications that utilize eProx technology.

With HID, one card does it all!



LOCKS



BIOMETRICS



ALARMS



TIME & ATTENDANCE



VENDING



LONG RANGE



POINT OF SALE



LOGICAL ACCESS

WORLD CLASS READERS



MINIPROX®
125 kHz MULLION MOUNT proximity card reader

THE MOST RECOGNIZED BRAND OF PROXIMITY READERS



PROXPOINT® PLUS

125 kHz VALUE PRICED proximity card reader

BASE PART NUMBER: 6005/6008

- Small sized, low cost reader features a beeper and multicolor LED which can be host and/or locally controlled.
- Potted reader suitable for indoor or outdoor use.
- Power req.: 5-16 VDC.
- Current req.: 20 mA avg / 75 mA peak at 12 VDC.
- Dimensions: 3.135" x 1.70" x 0.66" (7.96 cm x 4.3 cm x 1.68 cm).



MINIPROX®

125 kHz MULLION MOUNT proximity card reader

BASE PART NUMBER: 5365/5368

- Available with either pigtail or terminal strip (terminal strip only for Hazardous Location version).
- Available with Wiegand or Clock-and-Data interface.
- Potted reader suitable for indoor or outdoor use.
- Div. 2 and Class III listed. Terminal strip only.
- Power req.: 5-16 VDC.
- Current req.: 20 mA avg / 110 mA peak at 12 VDC.
- Dimensions: 6.0" x 1.7" x 1.0" (15.2 cm x 4.3 cm x 1.91 cm).



THINLINE® II

125 kHz LOW PROFILE proximity card reader

BASE PART NUMBER: 5395/5398

- The size of most standard U.S. switch plates.
- Available with Wiegand or Clock-and-Data interface.
- Potted reader suitable for indoor or outdoor use.
- Power req.: 5-16 VDC.
- Current req.: 20 mA avg / 115 mA peak at 12 VDC.
- Dimensions: 4.7" x 3.0" x 0.68" (11.9 cm x 7.6 cm x 1.7 cm).



PROXPRO®

125 kHz VERSATILE proximity card reader

BASE PART NUMBERS: 5355/5352/5358

- Ideal for medium-range applications.
- Available with Wiegand, Serial (RS-232/RS-422) or Clock-and-Data interface.
- Sealed for indoor or outdoor use.
- Optional glass mount kit available.
- Power req.: 10-28.5 VDC.
- Current req.: 100 mA avg / 120 mA peak.
- Dimensions: 5.0" x 5.0" x 1.0" (12.7 cm x 12.7 cm x 2.54 cm).



PROXPRO®

with KEYPAD 125 kHz KEYPAD proximity card reader

BASE PART NUMBERS: 5355/5352/5358

- Ideal for medium-range applications.
- Available with Wiegand, Serial (RS-232/RS-422) or Clock-and-Data interface.
- Sealed for indoor or outdoor use.
- Optional glass mount kit available.
- Keypad data and card data can be sent on the same cable, or on a separate cable using 2 of 7 or 3 x 4 matrix.
- Power req.: 10-28.5 VDC.
- Current req.: 100 mA avg / 120 mA peak.
- Dimensions: 5.0" x 5.0" x 1.0" (12.7 cm x 12.7 cm x 2.54 cm).



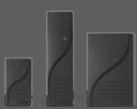
PROXPRO® II *

125 kHz NEW GENERATION proximity card reader

BASE PART NUMBER: 5455/5458

- Ideal for medium-range applications.
- Available with Wiegand or Clock-and-Data interface.
- Optional glass mount kit available.
- Potted reader suitable for indoor or outdoor use.
- Power req.: 5-16 VDC.
- Current req.: 25 mA avg / 125 mA peak at 12 VDC.
- Dimensions: 5.0" x 5.0" x 1.0" (12.7 cm x 12.7 cm x 2.54 cm).

* Visit website for ProxPro/ProxPro II Feature Comparisons Chart.



DID YOU KNOW...

The ProxPoint Plus, MiniProx and ThinLine II are also available with the DESIGNERS SERIES COVERS.

DESIGNER SERIES COLORS



CLASSIC SERIES COLORS



OEM MODULES



PROXPOINT® OEM

125 kHz EMBEDDABLE proximity card reader module

BASE PART NUMBER: 4025

- Allows third party OEMs to embed HID's proximity technology into their products to enhance functionality.
- Provides the functions of an HID proximity reader on a single integrated circuit.
- Reduces development and per-unit costs by sharing existing components.



ePROX LOCK MODULE

125 kHz LOW POWER proximity card reader module

BASE PART NUMBER: 4041

- Enables leading lock manufacturers to incorporate proximity technology into electronic door locks.
- Low power circuit fits most battery powered electronic door lock housings.
- Provides a keyless, card-activated lock without a card slot and associated maintenance costs.
- Can be used in conjunction with existing on-line systems using HID proximity credentials and readers.



ePROX MULTI-CHIP MODULE (MCM)

125 kHz EMBEDDABLE proximity card reader module

BASE PART NUMBER: 4025

- Allows third party OEMs to embed HID's proximity technology into their products to enhance functionality.
- Provides the functions of an HID proximity reader on a single integrated circuit.
- Reduces development and per-unit costs by sharing existing components in the OEM module (i.e., LED, beeper, voltage regulator, and transient suppression).



MULTIPROX®

Seamless UPGRADE from analog to 125 kHz proximity

BASE PART NUMBERS: 6000/5385/6020

- Cost effective replacement and upgrade of existing Schlage/Westinghouse (WSE) systems without replacing existing WSE cards and installed coax wiring.
- Simultaneously reads both HID and WSE 1030,1040, and 1050 analog proximity cards. Provides HSM to replace WSE systems' MSM.
- Base part numbers: Controller - 6000, Reader - 5385, HSM Board - 6020.



MAXIPROX®

125 kHz LONG RANGE proximity card reader

BASE PART NUMBER: 5375

- Long read range distance (up to 8', 2.5 m with ProxPass®).
- Autotune allows read range to be maintained within four inches of metal.
- Wiegand, Clock-and-Data, RS-232, RS-422, and RS-485 output modes are configurable.
- "Parking hold" feature ensures accurate detection of vehicles in parking lanes.
- Power requirements: 12 or 24 VDC (configurable).
- Current requirements: 200 mA avg / 700 mA peak at 12 VDC; 260 mA avg / 1.2 A peak at 24 VDC.
- Dimensions: 12.0" x 12.0" x 1.0" (30.5 cm x 30.5 cm x 2.54 cm).
- Available in gray.



ENTRYPROX™

125 kHz STAND-ALONE proximity card reader

BASE PART NUMBER: 4045

- Provides single-door proximity access control for small installations or remote locations.
- Easily modified to become an on-line reader by switching to Wiegand output mode.
- Detachable antenna module can be mounted up to 10 feet away.
- Keypad for PIN entry and programming.
- Optional transaction printer available.
- Power req.: 10-15 VDC.
- Current req.: 150 mA at 12 VDC.
- Dimensions: 5.25" x 2.75" x 1.375" (13.33 cm x 6.98 cm x 3.49 cm).
- EntryProx is now UL 294 listed.

HID readers feature a lifetime warranty. See HID's Sales Policy for complete warranty details. Photographs are not to scale. Dimensions are given for general use only; consult factory for more exact dimensions and tolerances. Specifications subject to change without notice. Please consult our website, www.hidcorp.com, for up-to-date specifications. See our "How To Order Guide" for details regarding options and part numbers. HID's "How to Order Guide" can be downloaded in PDF format from www.hidcorp.com/support.

For the ProxPoint Plus, ThinLine II and MiniProx readers, two different cover designs are available: Classic and Designer Series. Classic Series covers feature the traditional HID look, while the Designer Series covers feature sweeping S-curves for an updated look.

A FULL LINE OF PROXIMITY CREDENTIALS



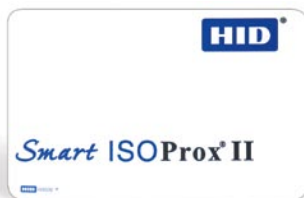
PROXCARD® II
 VALUE PRICED
 125 kHz proximity card
 BASE PART NUMBER: 1326



ISOPROX® II
 125 kHz THIN proximity card
 BASE PART NUMBER: 1386



DUOPROX® II
 125 kHz THIN proximity card
 with MAGNETIC STRIPE
 BASE PART NUMBER: 1336



SMART ISOPROX II™
 125 kHz THIN proximity card, contact smart chip
 embeddable (optional magnetic stripe)¹
 BASE PART NUMBER: 1397



SMART DUOPROX II™
 125 kHz THIN proximity card with magnetic stripe,
 contact smart chip embeddable¹
 BASE PART NUMBER: 1398



MICROPROX® TAG
 125 kHz proximity ADHESIVE tag
 BASE PART NUMBER: 1391
 Seamlessly upgrade from other technologies
 such as magstripe, Wiegand or barium ferrite
 by simply adding a MicroProx Tag to the card.



PROXPASS®
 LONG RANGE 125 kHz
 proximity active vehicle tag²
 BASE PART NUMBER: 1351



PROXKEY® II
 CONVENIENT 125 kHz
 proximity key fob
 BASE PART NUMBER: 1346

ON SITE PROGRAMMING



PROXPROGRAMMER®

Program proximity cards and tags **ON DEMAND!**

BASE PART NUMBER: 1050

- HID's easy-to-use ProxProgrammer allows for custom programmed proximity cards and tags on demand. By using the ProxProgrammer and stocking non-programmed cards and tags, you can eliminate lead times and minimum order quantities.
- Software requires minimum 80486 processor, 32 MB RAM, 4 MB HD space available, Windows® 95, 98, NT, or 2000.
- Certifications: Canada/UL 294 Listed, FCC Certification (US), Canada Certification, CE Mark (Fifteen EU Countries under the R&TTE Directive), Australia C-Tick Mark, New Zealand EMC.
- Dimensions: 5" x 5" x 4.3" (12.7 cm x 12.7 cm x 10.9 cm)
- Weight: 28 oz (789 g)
- Construction: Polycarbonate UL 94 & Delrin
- See Sales Policy for complete warranty details.

TRANSITION PRODUCTS EXTEND YOUR PROX INVESTMENT



TECHNOLOGY GUIDE

MULTI-TECHNOLOGY TRANSITION CARDS



PROXIMITY & MIFARE® CARD
125 kHz THIN proximity & 13.56 MHz MIFARE® card
(optional magnetic stripe)
BASE PART NUMBER: 1431



PROXCARD® PLUS
WIEGAND and 125 kHz proximity card
BASE PART NUMBER: 16X



iCLASS® PROX
13.56 MHz iCLASS contactless
smart card and 125 kHz proximity thin card
BASE PART NUMBER: 202X

iCLASS® READ/WRITE CONTACTLESS SMART CHIP & COIL

Operating Frequency: 13.56 MHz read/write technology **Memory Size:** 2k bit (256 Byte) with two application areas or 16k bit (2k Byte) with two or 16 application areas **Read Range:** Up to 4.5" (11.4 cm) depending on local installation conditions and card reader selection **RF Interface:** As suggested by ISO/IEC 15693 **Format:** Any proximity bit format up to 84 bits. For more information, use HID's iCLASS Reference Guide or visit our website at www.hidcorp.com/iclass.

CONTACT SMART CHIP MODULE GUIDELINES

For customers who require a contact smart chip module, HID has developed partnerships with the leading providers of application software and contact smart chip modules. Depending on your specifications, HID can embed contact smart chip modules from a number of industry leaders. When application software is needed, turn to HID's partners. To learn more about HID's smart card offerings and partners, visit our website at www.hidcorp.com/smart.

MIFARE® CONTACTLESS MEMORY CHIP AND COIL

Operating Frequency: 13.56 MHz read/write technology **Memory Size:** 8k bit (1k Byte) **Read Range:** Up to 1.5" (3.8 cm) depending on local installation conditions and card reader selection. **RF Interface:** As suggested by ISO/IEC 14443, Type A **Fixed Serial Number:** Unique 32 bit. For more information, use HID's MIFARE Reference Guide or visit our website at www.hidcorp.com.

PROXIMITY CONTACTLESS CHIP AND COIL

Operating Frequency: 125 kHz
Format Size: Up to 84 bits
Read Range: Up to 24" (60 cm) depending on local installation conditions and card reader selection.

MAGNETIC STRIPE

Standard: ABA Standard, 3 track, high coercivity (4000 Oersted).
Custom magnetic stripes available upon request.

ALL THIN CARDS ARE ISO 7810 COMPLIANT.

¹ ISO 7816 compliant for embedding optional contact smart chip module. Dimensions shown are nominal dimensions; drawings are not to scale. Some custom graphics can increase overall card thickness.

² ProxPass features a one-year warranty. ProxPass has a 2-5 year battery life, depending on usage.

Specifications subject to change without notice. Please consult our website, www.hidcorp.com, for up-to-date specifications. See our "How To Order Guide" for details regarding options and part numbers. HID credentials feature a lifetime warranty. See HID's Sales Policy for complete warranty details.

HID CREDENTIAL FEATURES & SPECIFICATIONS COMPARISON CHART

| | PRODUCT | PROXCARD® II | ISOPROX® II | DUOPROX® II | SMART ISOPROX II™ | SMART DUOPROX II™ | iCLASS® PROX | PROXIMITY & MIFARE® | PROXCARD® PLUS | PROXKEY® II | MICROPROX® | PROXPASS® |
|-------------------|---------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|---|-----------------------------------|-----------------------------------|-----------------------------------|--|
| BASICS | PRODUCT TYPE | Card | Thin Card | Thin Card | Thin Card | Thin Card | Thin Card | Thin Card | Card | Keyfob | Adhesive Tag | Active Vehicle Tag |
| | CONSTRUCTION | molded plastic | PVC laminate | PVC laminate | PVC laminate | PVC laminate | PVC laminate | PVC laminate | PVC laminate | molded plastic | Lexan® | molded plastic |
| | PART NUMBER | 1326 | 1386 | 1336 | 1397 | 1398 | 202X 203X | 1431 | 16-9 | 1346 | 1391 | 1351 |
| TECHNOLOGIES | PROXIMITY 125 KHZ | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | 13.56 MHZ READ/WRITE | NO | NO | NO | NO | NO | iCLASS® | MIFARE® | NO | NO | NO | NO |
| | CONTACT SMART CHIP ¹ | NO | NO | NO | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | NO | NO | NO | NO |
| | WIEGAND STRIP | NO | NO | NO | NO | NO | NO | NO | YES | NO | NO | NO |
| | MAGNETIC STRIPE | NO | NO | YES | NO | YES | OPTIONAL | OPTIONAL | OPTIONAL | NO | NO | NO |
| EXTERIOR FEATURES | DIRECT IMAGE PRINT ² | with PVC overlay | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO |
| | FINISHES | N/A | GLOSS | GLOSS | GLOSS | GLOSS | GLOSS | GLOSS | Gloss/Matte | N/A | N/A | N/A |
| | SLOT PUNCH | V ³ | H/V | H/V | V | V | V | V | H/V | Keyring | NO | NO |
| | HOLOGRAM | NO | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | NO | NO | NO |
| | U/V INK | NO | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | NO | NO | NO |
| | INKJET NUMBERING | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| SPECIFICATIONS | LASER ENGRAVING | NO | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | NO | OPTIONAL | NO | NO |
| | WARRANTY | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | ONE YEAR |
| | ISO COMPLIANCE | N/A | ISO 7810 | ISO 7810 | ISO 7810 ISO 7816 ⁴ | ISO 7810 ISO 7816 ⁴ | ISO 7810 ISO 7816 ⁴ ISO 15693 | ISO 7810 ISO 7816 ⁴ ISO 14443A | N/A | N/A | N/A | N/A |
| | PROXIMITY FORMAT RANGE | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 37 bits |
| | OPERATING TEMPERATURE | -50° F - 160° F -45° C - 70° C | -50° F - 160° F -45° C - 70° C | -50° F - 160° F -45° C - 70° C | -50° F - 160° F -45° C - 70° C | -50° F - 160° F -45° C - 70° C | -13° F - 158° F -25° C - 70° C | -13° F - 158° F -25° C - 70° C | -13° F - 158° F -25° C - 70° C | -50° F - 160° F -45° C - 70° C | -50° F - 160° F -45° C - 70° C | -22° F - 140° F -30° C - 60° C |
| | OPERATING HUMIDITY | 5-95% non-condensing | 5-95% non-condensing | 5-95% non-condensing | 5-95% non-condensing | 5-95% non-condensing | 5-95% non-condensing | 5-95% non-condensing | 10-95% non-condensing | 5-95% non-condensing | 5-95% non-condensing | 5-95% non-condensing, not for marine use |
| | WEIGHT | 0.24 oz. 6.8 g | 0.24 oz. 6.8 g | 0.24 oz. 6.8 g | 0.24 oz. 6.8 g | 0.24 oz. 6.8 g | 0.24 oz. 6.8 g | 0.24 oz. 6.8 g | 0.24 oz. 6.8 g | 0.24 oz. 6.8 g | 0.26 oz. 7.4 g | 0.04 oz. 1.18 g |

CREDENTIAL NOTES FOR THIS PAGE.

¹ Available. Consult factory for correct base part number.

² Direct image printing (using a dye sublimation or direct image transfer printer) can be done at the factory, by the customer or by third parties.

³ Vertical slot punch is standard on the ProxCARD II.

⁴ Some ty

Contact Smart Chip Embeddable: Yes (optional) - These cards are ISO 7816 compliant and held to 0.030" to 0.033" (0.0762 cm to 0.0838 cm) thickness.

Magnetic Stripe: ABA standard, 3 track, high coercivity (4000 Oersted). Custom magnetic stripes available upon request.

Slot Punch: V=Vertical Slot punch option, H/V=Horizontal or Vertical slot punch option, Keyring=Standard Hole.

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READER NOTES FOR THE NEXT PAGE.

¹ Colors/Designs: see inside front cover for color samples.

² The ProxPro II is available in black, gray, white, and beige. Wiegand - Wiegand output format. C&D - Clock-and-Data output format. Serial - RS-232, RS-422. Weights given are for terminal strip versions; consult factory for full shipping weights including packaging and accessories.

Termination: PT - pigtail/wire, TS - terminal strip, Consult factory for availability of 9' (2.7 cm) PT. N/A - Not Applicable

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HID READER FEATURES & READ RANGE CHART

| PRODUCT | | PROXPOINT® PLUS | MINIPROX® | THINLINE® II | PROXPRO® | PROXPRO® W/KEYPAD | PROXPRO® II | MAXIPROX® | ENTRYPROX™ | |
|----------------|---------------------------------------|--|--|--|--|--|--|--|--|--------------------------------|
| BASICS | TECHNOLOGY | 125 kHz (RF) Proximity | 125 kHz (RF) Proximity | 125 kHz (RF) Proximity | 125 kHz (RF) Proximity | 125 kHz (RF) Proximity | 125 kHz (RF) Proximity | 125 kHz (RF) Proximity | 125 kHz (RF) Proximity | |
| | PART NUMBER | 6005 (Wiegand) 6008 (C&D) | 5365 (Wiegand) 5368 (C&D) | 5395 (Wiegand) 5398 (C&D) | 5355 (Wiegand) 5358 (C&D) 5352 (Serial) | 5355 (Wiegand) 5358 (C&D) 5352 (Serial) | 5455 (Wiegand) 5458 (C&D) | 5375 | 4045 | |
| FEATURES | FEATURES | small size | optional hazardous location | low profile | serial output | keypad & serial output | longer read range | long range and parking features | standalone & Wiegand output modes | |
| | KEYPAD | NO | NO | NO | NO | YES | NO | NO | YES | |
| | MOUNTING | mullion or std. wall | mullion or std. wall | std. wall or gang | std. wall, gang or glass | std. wall or gang | std. wall, gang or glass | wall or post | std. wall or gang | |
| | INDOOR/OUTDOOR | BOTH | BOTH | BOTH | BOTH | BOTH | BOTH | BOTH | BOTH | |
| | COLORS/DESIGNS | classic & designer ¹ | classic & designer ¹ | classic & designer ¹ | classic gray, beige | classic gray, beige | classic ² | classic gray | N/A | |
| | WARRANTY | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | LIFETIME | |
| | CARD FORMATS | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 84 bits | up to 37 bits | |
| SPECIFICATIONS | OUTPUT FORMATS | Wiegand or C&D | Wiegand or C&D | Wiegand or C&D | Wiegand, C&D, RS-232, RS-422 | Wiegand, C&D, RS-232, RS-422 | Wiegand or C&D | Wiegand, C&D, RS-232, RS-422, RS-485 | Wiegand | |
| | TERMINATION | PT: 18" or 9' (45 cm / 2.7 m) | PT: 18" or 9' (45 cm / 2.7 m) & TS | PT: 18" or 9' (45 cm / 2.7 m) | TS only | TS only | PT: 18" or 9' (45 cm / 2.7 m) | TS only | PT: 8" (20 cm) | |
| | POWER SUPPLY | 5-16 VDC | 5-16 VDC | 5-16 VDC | 10-28.5 VDC | 10-28.5 VDC | 5-16 VDC | 12 or 24 VDC | 10-15 VDC | |
| | CURRENT REQUIREMENTS | 20 mA avg 75 mA peak at 12 VDC | 20 mA avg 110 mA peak at 12 VDC | 20 mA avg 115 mA peak at 12 VDC | 100 mA avg 120 mA peak at 12 VDC | 100 mA avg 120 mA peak at 12 VDC | 25 mA avg 125 mA peak at 12 VDC | 200 mA avg 700 mA peak at 12 VDC | 150 mA peak at 12 VDC | |
| | CERTIFICATIONS & GOVERNMENT APPROVALS | UL, FCC, CE, Taiwan, New Zealand, Australia, Canada Radio, China | UL, FCC, CE, Taiwan, New Zealand, Australia, Canada Radio, China | UL, FCC, CE, Taiwan, New Zealand, Australia, Canada Radio, China | UL, FCC, CE, Taiwan, New Zealand, Australia, Canada Radio, China | UL, FCC, CE, Taiwan, New Zealand, Australia, Canada Radio, China | UL, FCC, CE, Taiwan, New Zealand, Australia, Canada Radio, China | UL, FCC, CE, Taiwan, New Zealand, Australia, Canada Radio, China | UL, FCC, CE, Taiwan, New Zealand, Australia, Canada Radio, China | |
| | OPERATING TEMPERATURE | -22° F - 150° F -30° C - 65° C | -22° F - 150° F -30° C - 65° C | -22° F - 150° F -30° C - 65° C | -22° F - 150° F -30° C - 65° C | -22° F - 150° F -30° C - 65° C | -22° F - 150° F -30° C - 65° C | -22° F - 150° F -30° C - 65° C | -22° F - 150° F -30° C - 65° C | -22° F - 150° F -30° C - 65° C |
| | OPERATING HUMIDITY | 10-95% non-condensing | 10-95% non-condensing | 10-95% non-condensing | 10-95% non-condensing | 10-95% non-condensing | 10-95% non-condensing | 10-95% non-condensing | 10-95% non-condensing | |
| | WEIGHT | 2.7 oz. 75 g | 3.5 oz. 99 g | 3.3 oz. 94 g | 12 oz. 336 g | 12 oz. 336 g | 13.6 oz. 385 g | 51 oz. 1.4 kg | 5.6 oz. 158 g | |
| | DIMENSIONS | 3.1" x 1.7" x 0.66" (7.9 cm x 4.4 cm x 1.7 cm) | 6.0" x 1.7" x 1.0" (15.2 cm x 4.3 cm x 2.54 cm) | 4.7" x 3.0" x 0.68" (11.9 cm x 7.6 cm x 1.7 cm) | 5.0" x 5.0" x 1.0" (12.7 cm x 12.7 cm x 2.5 cm) | 5.0" x 5.0" x 1.0" (12.7 cm x 12.7 cm x 2.5 cm) | 5.0" x 5.0" x 1.0" (12.7 cm x 12.7 cm x 2.5 cm) | 11.8" x 11.8" x 1.0" (30 cm x 30 cm x 2.54 cm) | 5.3" x 2.8" x 1.4" (13.3 cm x 7 cm x 3.5 cm) | |
| | MATERIAL | Polycarbonate UL 94 | Polycarbonate UL 94 | Polycarbonate UL 94 | Polycarbonate UL 94 | Polycarbonate UL 94 | Polycarbonate UL 94 | Polycarbonate UL 94 | Polycarbonate UL 94 | |

READ RANGE CHART

| PRODUCT | | PROXPOINT® PLUS | MINIPROX® | THINLINE® II | PROXPRO® | PROXPRO® II | MAXIPROX® | ENTRYPROX™ |
|----------------------------|---------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|---------------------------------|
| PROXIMITY READ RANGE CHART | PROXCARD® II | 2.0" - 3.0" 5.1 cm - 7.6 cm | 4.0" - 5.5" 10.2 cm - 14.0 cm | 4.0" - 5.5" 10.2 cm - 14.0 cm | 5.5" - 8.0" 14.0 cm - 20.3 cm | 6.0" - 9.0" 15.2 cm - 22.9 cm | 16" - 29" 40.6 cm - 73.7 cm | 2.0" - 3.0" 5.1 cm - 7.6 cm |
| | ISOPROX® II | 1.5" - 2.5" 3.8 cm - 6.35 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 4.0" - 7.0" 10.2 cm - 17.8 cm | 5.0" - 8.0" 12.5 cm - 20 cm | 15" - 20" 38.1 cm - 50.8 cm | 1.5" - 2.5" 3.8 cm - 6.35 cm |
| | DUOPROX® II | 1.5" - 2.5" 3.8 cm - 6.35 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 4.0" - 7.0" 10.2 cm - 17.8 cm | 5.0" - 8.0" 12.5 cm - 20 cm | 15" - 20" 38.1 cm - 50.8 cm | 1.5" - 2.5" 3.8 cm - 6.35 cm |
| | SMART ISOPROX® II | 1.5" - 2.5" 3.8 cm - 6.35 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 4.0" - 7.0" 10.2 cm - 17.8 cm | 5.0" - 8.0" 12.5 cm - 20 cm | 15" - 20" 38.1 cm - 50.8 cm | 1.5" - 2.5" 3.8 cm - 6.35 cm |
| | SMART DUOPROX® II | 1.5" - 2.5" 3.8 cm - 6.35 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 4.0" - 7.0" 10.2 cm - 17.8 cm | 5.0" - 8.0" 12.5 cm - 20 cm | 15" - 20" 38.1 cm - 50.8 cm | 1.5" - 2.5" 3.8 cm - 6.35 cm |
| | iCLASS® PROX | 1.5" - 2.5" 3.8 cm - 6.35 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 4.0" - 7.0" 10.2 cm - 17.8 cm | 5.0" - 8.0" 12.5 cm - 20 cm | 15" - 20" 38.1 cm - 50.8 cm | 1.5" - 2.5" 3.8 cm - 6.35 cm |
| | PROXIMITY & MIFARE® | 1.5" - 2.5" 3.8 cm - 6.35 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 3.0" - 5.0" 7.6 cm - 12.7 cm | 4.0" - 7.0" 10.2 cm - 17.8 cm | 5.0" - 8.0" 12.5 cm - 20 cm | 15" - 20" 38.1 cm - 50.8 cm | 1.5" - 2.5" 3.8 cm - 6.35 cm |
| | PROXCARD® PLUS | 0.5" - 1.0" 1.2 cm - 2.5 cm | 1.0" - 2.0" 2.5 cm - 5.1 cm | 1.0" - 1.5" 2.5 cm - 3.8 cm | 2.0" - 3.0" 5.1 cm - 7.6 cm | 2.0" - 4.0" 5.1 cm - 10.2 cm | 8.0" - 13.0" 20.3 cm - 33 cm | 0.5" - 1.0" 1.2 cm - 2.5 cm |
| | PROXKEY® II | 1.0" - 1.5" 2.5 cm - 3.8 cm | 1.0" - 2.0" 2.5 cm - 5.1 cm | 1.0" - 2.0" 2.5 cm - 5.1 cm | 1.0" - 3.0" 2.5 cm - 7.6 cm | 2.0" - 4.0" 5.1 cm - 10.2 cm | 6.0" - 17.0" 15.2 cm - 43.2 cm | 1.0" - 1.5" 2.5 cm - 3.8 cm |
| | MICROPROX® | 0.5" - 2.0" 1.2 cm - 5.1 cm | 0.5" - 2.5" 1.2 cm - 6.4 cm | 1.0" - 3.0" 2.5 cm - 7.6 cm | 1.0" - 4.0" 2.5 cm - 10.2 cm | 1.0" - 4.5" 2.5 cm - 11.4 cm | 4.0" - 15.0" 10.2 cm - 38 cm | 0.5" - 2.0" 1.2 cm - 5.1 cm |
| | PROXPASS® | N/A | N/A | N/A | N/A | N/A | 4' - 8' 1.2 cm - 2.5 m | N/A |



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