



# ProxPro® II Reader



## NEW GENERATION PROXIMITY CARD READER

HID's ProxPro® II proximity reader for access control combines performance, reliability, and ease of installation into a two-piece, weatherproof potted enclosure. International users will appreciate the multilingual installation manual, lower voltage requirement and flexible mounting options.

- ADDITIONAL PRODUCT FEATURES:**
- Two-piece reader design allows for easy installation.
  - Available with a Wiegand or Clock-and-Data interface.
  - Provides high reliability, consistent read range and low power consumption.
  - Features include multicolor LED and internal or host control of the LED and beeper.
  - Mounts directly on metal with minimal impact on the read range performance.
  - Optional kit enables mounting behind glass.

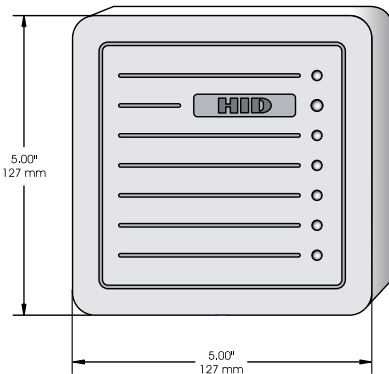
Compare features of the ProxPro II to the original ProxPro reader (still available):

| FEATURE  | ProxPro                         | ProxPro II  |
|--|---------------------------------|---|
| <b>Multilingual Installation Manual</b>                  | No                              | Yes   |
| <b>Glass Mounting Kit</b>                                | Yes                             | Yes   |
| <b>Supply Voltage</b>                                    | 12V and 24V                     | 5V and 12V  |
| <b>Voltage Range (min/max)</b>                           | 10 / 28.5 VDC                   | 5 / 16 VDC  |
| <b>Current Draw (Avg/Peak)</b>                           | 100 / 120 mA                    | 25 / 125 mA   |
| <b>Read Range at 12 VDC (Proxcard® II / ISOProx® II)</b> | 8" (20 cm) / 7" (17 cm)         | 9" (22 cm) / 8" (20 cm)                             |
| <b>IP Rating</b>   | IP55                            | IP55  |
| <b>European / Asian Mounting Holes</b>                   | No                              | Yes (Vertical)                                      |
| <b>Weatherproofing Method</b>                            | Rubber O-ring                   | Fully potted electronics                            |
| <b>Cover Installation Method</b>                         | 4 screws, then snap in bezel    | Snap-on cover                                       |
| <b>Custom Molded Logo</b>                                | No                              | Available (one-time tooling charge)                 |
| <b>Termination Method</b>                                | Screw Terminals                 | Wire pigtail  |
| <b>Metal Compensation</b>                                | Jumper                          | No, but provides equivalent performance on metal    |
| <b>LED / Beeper Configuration</b>                        | DIP Switch or Command Card      | Command Card  |
| <b>Custom Firmware</b>                                   | Socketed Processor, Change Part | Order from factory                                  |
| <b>Tamper Switch</b>                                     | Yes                             | No, but electronics are potted to prevent tampering |
| <b>Keypad Version Available</b>                          | Yes                             | No  |
| <b>Wiegand Pullup Select 5 or 12V</b>                    | DIP Switch                      | No  |
| <b>Serial Version Available</b>                          | Yes                             | No  |

## FEATURES

- **Security** – Recognizes card formats up to 84 bits, with over 1.93x10<sup>25</sup> unique codes.
- **Installation** – Easy, streamlined installation procedure is consistent with HID's ThinLine® II, MiniProx® and ProxPoint® Plus readers. Included installation manual features instructions in English, French, German, Spanish, Portuguese, Chinese and Japanese.
- **Audiovisual Indication** – When a proximity card is presented to the reader, the red LED flashes green and the beeper sounds. The multicolor LED and beeper can also be controlled individually by the host system.
- **Diagnostics** – On reader power-up, an internal self-test routine checks and verifies the setup configuration, determines the internal or external control of the LED and beeper, and initializes reader operation. An additional external loop-back test allows for the reader outputs and inputs to be verified without the use of additional test equipment.
- **Indoor/outdoor Design** – Sealed in a rugged, weatherized polycarbonate enclosure designed to withstand harsh environments, providing reliable performance and a high degree of vandal resistance. Two-piece reader design allows for easy installation.
- **Easily Interfaced** – Wiegand output model interfaces with all existing Wiegand protocol access control systems. Clock-and-Data (magnetic stripe) model interfaces with most systems that accept magnetic stripe readers.
- **Options** – Termination: 18" (45 cm) pigtail standard, 9' (2.7m) available by special order. Mounting: glass mounting kit available separately LED and beeper operation.

## SPECIFICATIONS



| *Model Name                                | ProxPro®   |
|--|--|
| <b>Model Number</b>                        | 5455 Wiegand<br>5458 Clock-and-Data interface  |
| <b>**Read Range</b>                        | ProxCard® II card - up to 9" (22 cm)<br>ISOProx® II card - up to 8" (20 cm)<br>DuoProx® II card - up to 8" (20 cm)<br>Smart ISOProx® card - up to 8" (20 cm)<br>Smart DuoProx® card - up to 8" (20 cm)<br>HID Proximity and MIFARE® card - up to 8" (20 cm)<br>ProxCard® Plus card - up to 4" (10 cm)<br>ProxKey® II key fob - up to 4" (10 cm)<br>MicroProx® Tag - up to 4" (11 cm) |
| <b>Mounting</b>                            | Mounts on a single-gang electrical box for easy installation. Mounting holes are provided for European and Asian J-boxes. Mounts directly on metal with minimal impact on read range performance. An optional kit enables mounting behind glass.   |
| <b>Color</b>                               | White, Beige, Charcoal Gray or Black   |
| <b>Keypad</b>                              | No   |
| <b>Dimensions</b>                          | 5.0" x 5.0" x 1.0"<br>(12.7 x 12.7 x 2.54 cm)  |
| <b>Power Supply</b>                        | 5-16 VDC<br>Linear power supplies are recommended.   |
| <b>Power Requirements (Standard Power)</b> | Average: 25 mA at 12 VDC<br>Peak: 125 mA at 12 VDC   |
| <b>Operating Temperature</b>               | -22° to 150° F (-30° to 65° C)   |
| <b>Operating Humidity</b>                  | 0-95% relative humidity noncondensing  |
| <b>Transmit Frequency</b>                  | 125 kHz  |
| <b>Environmental</b>                       | IP55   |
| <b>Cable Distance</b>                      | Wiegand interface: 500 feet (150 m)<br>Clock-and-Data interface: 50 feet (15 m)<br>Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent. Additional conductors may be required for LED or beeper control.   |
| <b>Certifications</b>                      | UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore), RoHS   |
| <b>Housing Material</b>                    | UL94 Polycarbonate   |
| <b>Warranty</b>                            | Lifetime   |

\*Consult How to Order Guide for specific ordering instructions.

\*\*Dependent upon installation conditions

North America: +1 949 732 2000  
Toll Free: 1 800 237 7769  
Europe, Middle East, Africa: +49 6123 791 0  
Asia Pacific: +852 3160 9800  
Latin America: +52 477 779 1492

[hidglobal.com](http://hidglobal.com)

## ASSA ABLOY

An ASSA ABLOY Group brand

© 2011 HID Global Corporation. All rights reserved. HID and the HID logo are trademarks or registered trademarks of HID Global in the U.S. and/or other countries. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners.  
20110606-proxproii-ds-en