HID®

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.
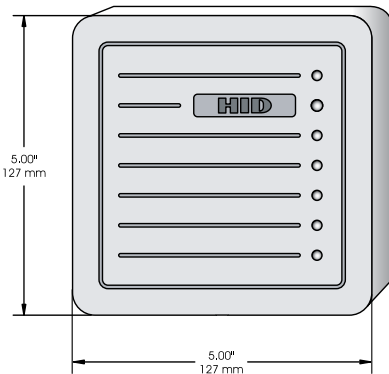
ADDITIONAL PRODUCT FEATURES:

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

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FEATURES

- **Security** – Recognizes card formats up to 84 bits, with over 1.93x1025 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®**
Model Number	5455 Wiegand 5458 Clock-and-Data interface
****Read Range**	ProxCard® II card - up to 9" (22 cm) ISOProx® II card - up to 8" (20 cm) DuoProx® II card - up to 8" (20 cm) Smart ISOProx® card - up to 8" (20 cm) Smart DuoProx® card - up to 8" (20 cm) HID Proximity and MIFARE® card - up to 8" (20 cm) ProxCard® Plus card - up to 4" (10 cm) ProxKey® II key fob - up to 4" (10 cm) MicroProx® Tag - up to 4" (11 cm)
Mounting	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.
Color	White, Beige, Charcoal Gray or Black
Keypad	No
Dimensions	5.0" x 5.0" x 1.0" (12.7 x 12.7 x 2.54 cm)
Power Supply	5-16 VDC Linear power supplies are recommended.
Power Requirements (Standard Power)	Average: 25 mA at 12 VDC Peak: 125 mA at 12 VDC
Operating Temperature	-22° to 150° F (-30° to 65° C)
Operating Humidity	0-95% relative humidity noncondensing
Transmit Frequency	125 kHz
Environmental	IP55
Cable Distance	Wiegand interface: 500 feet (150 m) Clock-and-Data interface: 50 feet (15 m) 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.
Certifications	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
Housing Material	UL94 Polycarbonate
Warranty	Lifetime

Consult How to Order Guide for specific ordering instructions.
**Dependent upon installation conditions*

5.00"
127 mm

5.00"
127 mm

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