



125 kHz Versatile Proximity Card Reader  
5355 (Wiegand), 5352 (Serial), 5358 (Clock-and-Data)



## Application

The ProxPro<sup>®</sup> proximity card reader's weatherproof design and architecturally attractive enclosure allows easy mounting indoors or out. The ProxPro Reader is ideal for applications requiring a larger read range.

## Features

- ▶ Affords high reliability, consistent read range characteristics, and low power consumption in a single, easy-to-install package.
- ▶ Features multicolor LED, internal or host control of the LED, and/or beeper and a beeper "off" switch for silent operation.
- ▶ Provides Wiegand protocol interface compatibility with all standard access control systems.
- ▶ Offers an optional, fully integrated personal identification number keypad for heightened security.
- ▶ Can be mounted to glass (using the optional glass mounting kit).
- ▶ For a longer read range, try the new generation ProxPro II Reader, which provides an additional inch (2.5 cm) of read range, requires just 5 volts for operation, and is lower-priced than the ProxPro Reader!



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## Features

## Specifications

- Mounting** Mounting holes fit standard U.S.A. single-gang switch boxes (vertically mounted) to simplify installation. Field adjustable for mounting directly to metal, exhibiting only minimal effects on read range. A selectable jumper setting provides for improved performance.
- 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 the reader's operation. An additional external loop-back test allows 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. Easily installed in any location, even with the optional keypad.
- Easily Interfaced** Interfaces with all existing Wiegand protocol access control systems. Output data in Wiegand or Clock-and-Data format, plus optional RS232 and RS422 serial interfaces.
- Security** Includes a tamper switch to provide notification of reader tampering. Recognizes card formats up to 84 bits, with over 137 billion unique codes.  
\*Except Model 5352 which supports up to 37-bit formats.
- Keypad Option** Available with an optional, integrated weatherized keypad, which provides an additional level of security by allowing the use of a personal identification number (PIN). The keypad interfaces with the host system either by sending the keypad data over the data output lines, or via a direct connection to the host keypad interface.
- Warranty** Warranted against defects in materials and workmanship for life from date of shipment. (See complete warranty policy for details.)
- Part Numbers**

Base Part No.: 5355 Wiegand Interface/Clock-and-Data (configurable)  
Description: Wiegand interface, tri-state LED, internal beeper on  
Options:  
• Color (gray or beige)  
• Keypad operation • LED and beeper operation  
• Custom label  
Glass Mount Kit: 5455AGM00

Base Part No.: 5352 Serial Interface  
Description: RS-232 or RS-422 Serial interface (configurable), tri-state LED, internal beeper on.  
Options:  
• Color (gray or beige)  
• Keypad operation  
• Custom label  
Glass Mount Kit: 5455AGM00

### Typical Maximum\* Read Range

- ProxCard® II card - up to 8" (20 cm)
- ISOProx® II card - up to 7" (17.5 cm)
- DuoProx® II card - up to 7" (17.5 cm)
- Smart ISOProx® II card - up to 7" (17.5 cm)
- Smart DuoProx® II card - up to 7" (17.5 cm)
- HID Proximity & MIFARE® card - up to 7" (17.5 cm)
- ProxCard® Plus card - up to 3" (7.5 cm)
- ProxKey® II keyfob - up to 3" (7.5 cm)
- MicroProx® Tag - up to 4" (10.2 cm)
- ProxPass® Active Vehicle Tag - N/A

\*Depending on local installation conditions.

**Dimensions:** 5.0" x 5.0" x 1.0" (12.7 x 12.7 x 2.54 cm)

**Material:** Polycarbonate UL 94

**Power supply:** 10-28.5VDC; Linear power supplies recommended. Reverse voltage protection included.

**Current requirements:** Average: 100 mA (12VDC)  
Peak: 120 mA (24VDC)

**Operating temperature:** -22° to 150° F (-30° to 65° C)

**Operating humidity:** 0-95% relative humidity non-condensing

**Weight:** 12 oz. (336 gm)

**Transmit frequency:** 125 kHz

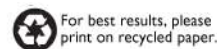
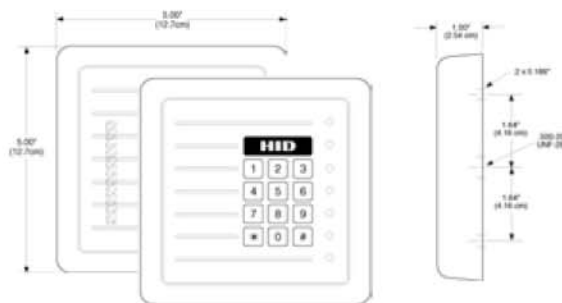
**Excite frequency:** 125 kHz

### Cable distance:

- Wiegand or Clock-and-Data interface: 500 feet (152 m)
- RS-232 interface: 50 feet (15 m)
- RS-422 interface: 4000 feet (1219 m)
- Recommended cable is ALPHA 1295 (22 AWG) 5 conductor stranded with overall shield or equivalent. Additional conductors may be required for LED or beeper control. RS-422 requires ALPHA 6212C 2-Twisted Pair, shielded cable with drain wire, or equivalent for data, plus ALPHA 1292C two-conductor shielded or equivalent for DC power.

### Certifications:

- Canada/UL 294 Listed: Access Control System Units
- FCC Certification, United States, Canada Certification
- CE Mark, Fifteen EU Countries under the R&TTE Directive (EN60950 - ITE Electrical Safety, EN 300 330 - SRD, and ETS 300 683 - EMC), IEC60950, ITE CB Scheme Electrical Safety, Australia C-Tick Mark, New Zealand EMC, China, Taiwan (5355 only)



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