ProxPro® Reader

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

ACCESS reliability.

Application

The ProxPro® 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!

Features

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

Specifications

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

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

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

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

Weight: 12 oz. (336 gm)

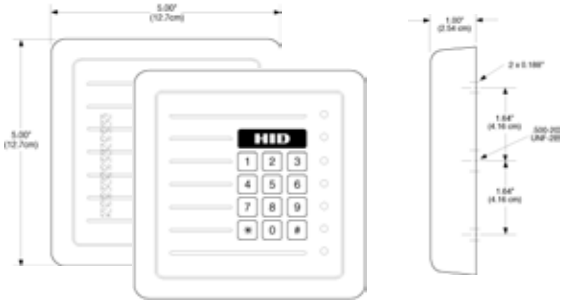
Transmit frequency: 125 kHz

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.

Environmental: IP55

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



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ACCESS experience.

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