ProxPro® Reader
125 kHz Versatile Proximity Card Reader

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!
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.

Audio/visual indication: when a proximity card is presented to the reader, the red LED flashes green and the beeper sounds. The multi-color LED and beeper can also be controlled individually by the host system.

Diagnostic: 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, weathered polycarbonate enclosure designed with stand-alone 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 RS-222 and RS-422 serial interfaces.

Security: includes a tamper switch to provide notification of reader tampering. Recognizes card formats up to 94 bits, with over 137 billion unique codes.

*Except Model 5852 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.: 5856 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.: 5852 Serial Interface
Description: RS-232 or RS-422 Serial interface (configurable), tri-state LED, internal beeper on
Options: Color (gray or beige), keypad operation, LED and beeper operation, Custom label
Glass Mount Kit: 5455AGM00

Specifications

Typical maximum read range:
ProxCard® II card - up to 8" (20 cm)
ISOProx® Board - up to 7" (17.5 cm)
Duo Prox® II card - up to 7" (17.5 cm)
Smart ISOProx® II card - up to 7" (17.5 cm)
Smart Duo Prox® II card - up to 7" (17.5 cm)
HID Proximity & MPXRE® card - up to 7" (17.5 cm)
ProxCard® Plus card - up to 3" (7.5 cm)
ProxKey® I keyfob - up to 2" (5.0 cm)
Micro Prox® 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)

Materials: Polycarbonate, UL94

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. (330 g)

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)

Cable required: (22 AWG) 5 conductor stranded with overall shield or equivalent.

Additional output cables may be required for LED or beeper control. RS-422 requires ALPHALPHA 6212C/2 Twisted Pair, shielded cable with drain wire, or equivalent for data plus ALPHALPHA 1292C two-conductor shielded or equivalent for DC power.

Certifications:
CanadaUL 294 Listed; Access Control System Units
FCC Certification, United States
CE Mark, Fifteen EU Countries under the R&TTE Directive (EN60950 - IEC/EN Electrical Safety, EN 300 330
-3RD, and EN 300 398 - EMCC
EC60950, IEC, B Scheme Electrical Safety
Australia C-Tick Mark, New Zealand EMC, China
Taiwan B355 only)

HID Corporation

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