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 RS-232 and RS-422 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: S455AGM00

- **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: S455AGM00

**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)
  - SmartISOProx® 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), SRRCC (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore), RoHS

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