Application
The MiniProx® proximity card reader’s potted electronics enhance the security of the reader. The slim, attractive design is ideal for indoor or outdoor mounting.

Features
- Accepts 5 to 16 volts, meeting most voltage requirements.
- Available with Wiegand or Clock-and-data interface.
- Allows easy upgrade from magstripe to a proximity reader; no rewiring or pulling of new cable required.
- Offers high reliability, consistent read-range and low power consumption in an easy-to-install package.
- Mounts directly onto metal with no change in read range performance.
- Provides multicolor LED, compatibility with all standard access control systems and internal or host control of LED and beeper.
- Includes multilingual installation manual.
### Features

- **Mounting**: Unobtrusive design mounts directly onto metal including door millings.
- **Hazardous Location MiniProx Reader Mounting**: Designed to mount onto a junction box included with each reader. The junction box is attached to an appropriate surface location utilizing four holes.
- **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.
- **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.
- **Security**: Recognizes card formats up to 85 bits, with over 137 billion unique codes.
- **Warranty**: Lifetime warranty against defects in materials and workmanship (see complete sales policy for details).

### Specifications

**Typical Maximum* Read Range**

- **ProxCard® II card** - up to 5.5” (14 cm)
- **ProxCard® II card** - up to 5” (12.7 cm)
- **Hazardous Location MiniProx**: 3.8 oz. (108 g)
- **With terminal strip**: 3.5 oz. (99 g)
- **With pigtail**: 3.8 oz. (108 g)

**Material**: Polycarbonate UL 94

**Power supply**:
- **Standard MiniProx**: 5-16 VDC
- **Haz. Loc. MiniProx**: 5-16 VDC

Linear power supplies are recommended.

**Current requirements**:
- **Max Average**: 30 mA
- **Typ Peak**: 75 mA

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

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

**Weight**:
- With terminal strip: 3.5 oz. (99 g)
- With pigtail: 3.8 oz. (108 g)
- **Haz. Loc. MiniProx**: 3.8 oz. (108 g)

**Cable distance**:
- **Wiegand interface**: 50 feet (15 m)
- **Clock-and-data interface**: 500 feet (150 m)

**Typical Maximum* Read Range**

- **ProxCard® II card** - up to 22” (55 cm)
- **Plus card** - up to 2” (5.1 cm)
- **ISOProx** - up to 5” (12.7 cm)
- **ProxCard** - up to 5” (12.7 cm)
- **MicroProx® Tag**: up to 2.5” (6.4 cm)

**Dimensions**:
- 6.0” x 1.7” x 1.0”
- (15.2 x 4.3 x 2.54 cm)

**Material**: Polycarbonate UL 94

**Power supply**:
- **Standard MiniProx**: 5-16 VDC
- **Haz. Loc. MiniProx**: 5-16 VDC

Linear power supplies are recommended.

**Current requirements**:
- **Max Average**: 30 mA
- **Typ Peak**: 75 mA

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

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

**Weight**:
- With terminal strip: 3.5 oz. (99 g)
- With pigtail: 3.8 oz. (108 g)
- **Haz. Loc. MiniProx**: 3.8 oz. (108 g)

**Cable distance**:
- **Wiegand interface**: 50 feet (15 m)
- **Clock-and-data interface**: 500 feet (150 m)

**Recommended cable is ALPHA 1295 (22 AWG) 5 conductor conductors may be required for LED or beeper control.**

**Excite frequency**: 125 kHz

**Typ Peak**: 75 mA

**Max Average**: 30 mA

**Cable distance**:
- **Wiegand interface**: 50 feet (15 m)
- **Clock-and-data interface**: 500 feet (150 m)

**Recommended cable is ALPHA 1295 (22 AWG) 5 conductor conductors may be required for LED or beeper control.**

**Certifications**:
- **Canada/UL 294 Listed**: Access Control System Units
- **Canada/UL 1604 Listed** (with Haz. Loc. junction box only):
  - Hazardous Locations Class I, Div. 2, Groups A, B, C, D.
  - FCC Certification, United States, Canada Certification
  - EU and CB Scheme Electrical Safety (EN60950 and IEC60950)
  - ITE Electrical Safety) Fifteen EU Countries under the R&TTE Directive (EN 300 330 - SRD, and ETS 300 683 - EMC), CE Mark, Australia C-Tick, New Zealand

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