

# MaxiProx® Reader

## Proximity Card Reader

### Application

HID's MaxiProx Reader is ideal for installations incorporating parking control and long read range applications. The MaxiProx reader packages all the electronics in one rugged, attractive and easy-to-install housing.

### Features

- Long read range distance (up to 8' with ProxPass®).
- Autotune allows read range to be maintained within four inches of metal.
- Wiegand, Clock-and-Data and selectable serial outputs available.
- "Parking hold" feature allows connection to a loop detector to ensure accurate detection of vehicles in parking lanes.
- Compatible with all HID cards and tags with formats up to 85 bits.
- Multicolor LED with internal or host control of the LED and beeper.
- Two MaxiProx units can operate one meter apart for "HI-LO" (truck and car) installations.
- Reader supervision signal for CASI-RUSCO panels.



# MaxiProx® Reader

## Features

**Mounting:** mount on non-metallic surfaces for optimal read range 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.

**Indoor/outdoor design:** sealed in a rugged, weatherized polycarbonate enclosure designed to withstand harsh environments as well as provide a high degree of vandal resistance for reliable performance anywhere.

**Easily interfaced:** interfaces with all existing Wiegand, Clock-and-Data, RS-232, RS-422 and RS-485 protocol access control systems. The serial interfaces support baud rates of 1200, 2400, 4800, and 9600 baud.

**Security:** includes a tamper switch to provide electronic notification of reader tampering. Recognizes card formats up to 85 bits.

**Warranty:** warranted against defects in materials and workmanship for life from date of shipment (see complete warranty policy for details).

### Part number:

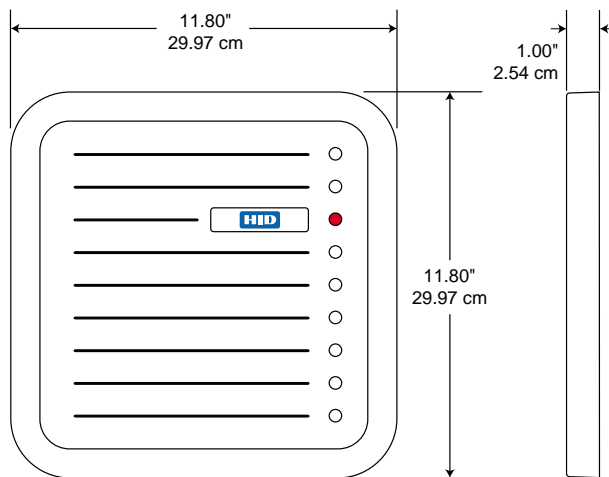
Base Part No.: 5375

**Description:** Wiegand interface, charcoal gray, tri-state LED, internal beeper on

Options:

- LED and beeper operation
- custom label

(Please see "How to Order Guide" for a description of the options and associated part numbers).



1. BUZZER
2. + DC
3. GROUND
4. DATA 0
5. DATA 1
6. SHIELD GROUND
7. GREEN LED
8. RED LED
9. BEEPER
10. HOLD
11. TAMPER COMMON
12. TAMPER SELECT

[www.HIDCorp.com](http://www.HIDCorp.com)

## Specifications

### Typical maximum\* read range:

ProxCard® II card - up to 29" (73 cm)

ISOProx® II card - up to 20" (50 cm)

ProxKey™ II keyfob - up to 17" (43 cm)

ProxCard® Plus card - up to 13" (25 cm)

SmartProx™ card - up to 17" (43 cm)

ProxPass® - up to 8' (240 cm, 2.4 m)

\*Depending on local installation conditions.

### Dimensions:

11.8" x 11.8" x 1.0" (30.0 x 30.0 x 2.54 cm)

**Material:** Polycarbonate UL 94

### Power supply:

Configurable 12 or 24 VDC

Linear power supplies are recommended.

### Current requirements:

DC Current at 12V: Avg. 200mA, Peak 700mA

DC Current at 24V: Avg. 260mA, Peak 1.2A

### Operating temperature:

-22° to 150° F (-30° to 65° C)

### Operating humidity:

0-95% relative humidity non-condensing

**Weight:** 51 oz. (1.4 kgm)

**Transmit frequency:** 125 kHz

### 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

### Cable distance:

Wiegand interface: 500 feet (152 m)

Clock-and-data interface: 50 feet (15 m)

RS-232: 50-200 feet (15-61 m)

Recommended cable is ALPHA 1295 (22

AWG) 5 conductor minimum stranded with

overall shield or equivalent. Additional

conductors may be required for LED or

beeper control.

RS-422 and RS-485: 4000 feet (1219 m)

Recommended cable is ALPHA 1297.

LIT5375DS 3/01, supersedes 7/00



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