



# “One-Source” Solution

## MaxiProx<sup>®</sup> Reader

### Access Control Products Solutions from CTR Systems



#### Application

CTR'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<sup>®</sup>).
- 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.

## 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.

### Part number:

Base Part No.: 5375

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

Options:

- LED and beeper operation
- Custom label

## 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)

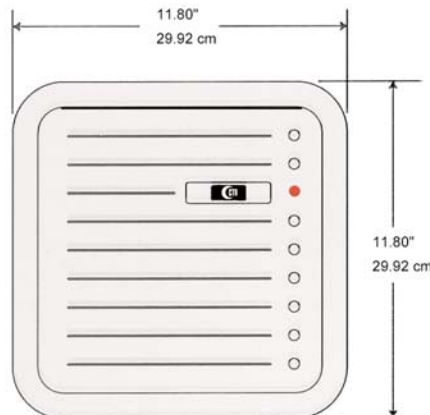
**Transmit frequency:** 125 kHz

### 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

MaxiProx, ProxCard, ISOProx, ProxKey, SmartProx, ProxPass are registered Trademarks of HID Corporation

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



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