

# MiniProx<sup>®</sup> Reader

## Proximity Card Reader

5365 (Wiegand)  
5368 (Clock-and-Data)

### Application

The MiniProx proximity card reader's potted electronics and slim, attractive design are 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.

### Designer



Hazardous Location  
MiniProx shown with  
incorporated junction box  
rated for use in hazardous  
locations.



CLASSIC

# MiniProx® Reader

## Features

**Mounting:** unobtrusive design mounts directly onto metal such as door mullions.

**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.

**Hazardous Location MiniProx reader Interface:** can be operated with any facility code and card number format requirements using the Wiegand protocol.

**Security:** Recognizes card formats up to 85 bits, with over 137 billion unique codes.

**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.: 5365 Wiegand interface

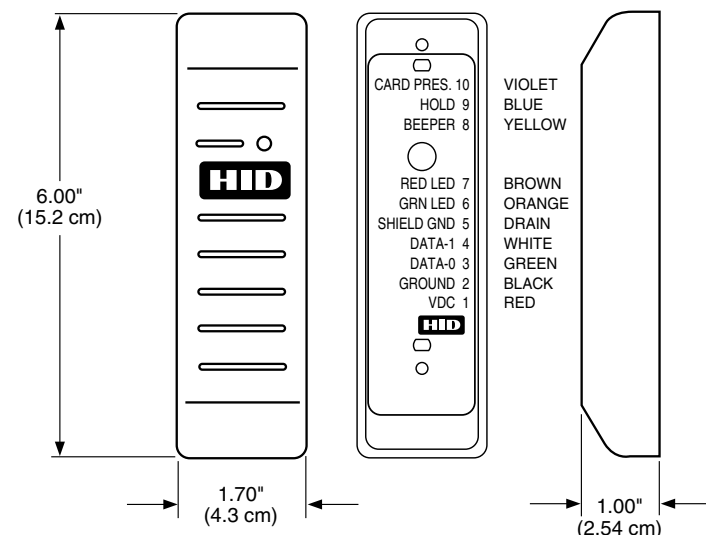
Base Part No.: 5368 Clock-and-data interface

Description: Tri-State LED, Internal beeper on

Options:

- CLASSIC series cover in white, beige, charcoal gray, or black *or*
- Designer series cover in white, wave blue, charcoal grey, or black
- LED and beeper operation
- custom label

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



## Specifications

### Typical maximum\* read range

ProxCard® II card - up to 5.5" (14 cm)

ISOProx® II card - up to 5" (12.5 cm)

DuoProx® II card - up to 5" (12.5 cm)

ProxKey™ II keyfob - up to 2" (5 cm)

ProxCard Plus™ card - up to 2" (5 cm)

Smart ISO/DuoProx™ cards - up to 5" (12.5 cm)

Proximity & MIFARE™ card - up to 5" (12.5 cm)

\*Depending on local installation conditions.

### 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:

Average: 30 mA (5 VDC); 20 mA (12 VDC)

Peak: 110 mA (5 VDC); 110 mA (12 VDC)

### 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 gm)

With pigtail 3.8 oz. (108 gm)

Haz. Loc. MiniProx: 3.8 oz. (108 gm)

**Transmit frequency:** 125 kHz

**Excite frequency:** 125 kHz

### Cable distance:

Wiegand interface: 500 feet (150 m)

Clock-and-data interface: 50 feet (15 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.

### 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

LIT5365DS 11/01, supersedes 3/01

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