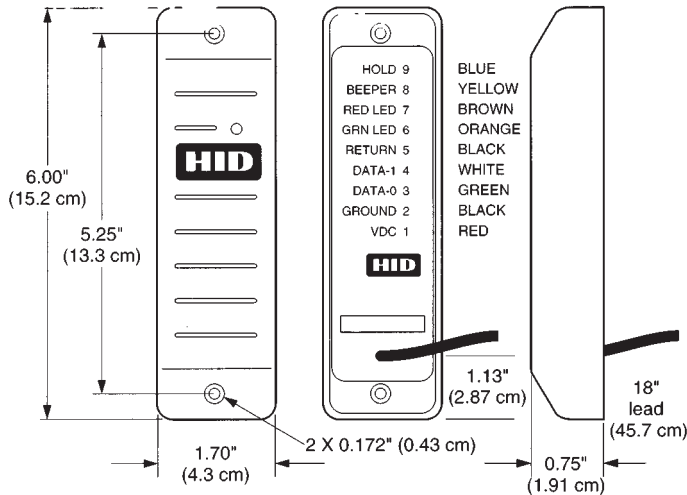# MiniProx™ Proximity Card Reader

5365 Series

The MiniProx Proximity Card Reader boasts a slim design to match any decor. The attractive design allows the MiniProx reader to be mounted indoors or out. A new standard feature on the MiniProx reader is potting of all reader electronics, making this reader weatherized.

The new MiniProx reader accepts 5-16 volts, so that one model can meet most voltage requirements. The MiniProx reader is available with either Wiegand interface or clock-and-data magnetic stripe interface. The 5-volt capability allows existing swipe-type access control installations to be easily upgraded to proximity technology, simply by changing the existing reader heads and cards. The clock-and-data magnetic stripe version reads all HID proximity cards and outputs the card data in a Track II format. No rewiring or pulling of new cable is necessary.

The MiniProx reader offers high reliability, consistent read range characteristics, and low power consumption in a single, easy-to-install package. Standard capabilities include multicolor LED, compatibility with all standard access control systems, and internal or host control of the LED and beeper. The MiniProx reader is designed for mounting directly on metal with no change in read range performance.

HID's commitment to bringing advanced technology to the radio frequency identification market is again demonstrated in the new MiniProx proximity card reader.

Pin connections:

Pin		Color
HOLD	9	BLUE
BEEPER	8	YELLOW
RED LED	7	BROWN
GRN LED	6	ORANGE
RETURN	5	BLACK
DATA-1	4	WHITE
DATA-0	3	GREEN
GROUND	2	BLACK
VDC	1	RED

6.00" (15.2 cm)
5.25" (13.3 cm)
1.70" (4.3 cm)
2 X 0.172" (0.43 cm)
1.13" (2.87 cm)
18" lead (45.7 cm)
0.75" (1.91 cm)

Specifications

Typical maximum read range:

ProxCard II™ card	4-5.5″ (10-14 cm)
ISOProx™ card	2-4″ (5-10 cm)
ProxKey II™ keyfob	1-2″ (2.5-5 cm)

Power Supply:
4.75-16 VDC
Linear power supplies are recommended.

Current requirements:

Current (DC)	5V Max.Draw	12V Max. Draw
Average	50 mA	60 mA
Peak	80 mA	160 mA

Dimensions:
6.0″ x 1.7″ x 1.0″ (15.2 x 4.3 x 2.5 cm)

Material:
Polycarbonate UL 94

Weight:
5.7 oz. (162 gm)

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

Operating humidity:
0-95% noncondensing

Transmit frequency:
125 kHz

Certifications:
UL 294 listed
FCC part 15, United States
DTI (MPT 1337), United Kingdom
CE Mark pending
BZT pending

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 stranded with overall shield or
equivalent. Additional conductors may be
required for LED or beeper control.

Specifications subject to change without notice.
5365 11/96, supersedes 8/94
Printed in the U.S.A.

Features

Mullion mounting: MiniProx™ readers are designed to be unobtrusive and to mount directly on metal such as door mullions.

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 operation.

Indoor/outdoor design: The MiniProx reader is mounted in a rugged, weatherized polycarbonate housing to withstand harsh environments and provide a high degree of vandal resistance. This allows reliable performance anywhere.

Easily interfaced: The MiniProx reader interfaces with all existing access control systems and can be operated with any facility code and card number format requirements. MiniProx readers communicate in all Wiegand formats. The clock and data magnetic stripe output interfaces with systems that originally read Track II magnetic stripe data using TTL level outputs of data, clock, and card present.

Security: The MiniProx reader recognizes over 137 billion unique codes.

Warranty: MiniProx readers are 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:
• Terminal Strip or Pigtail Connection
• Color (Gray, Beige)
• LED and Beeper Operation
• Custom Label

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

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